

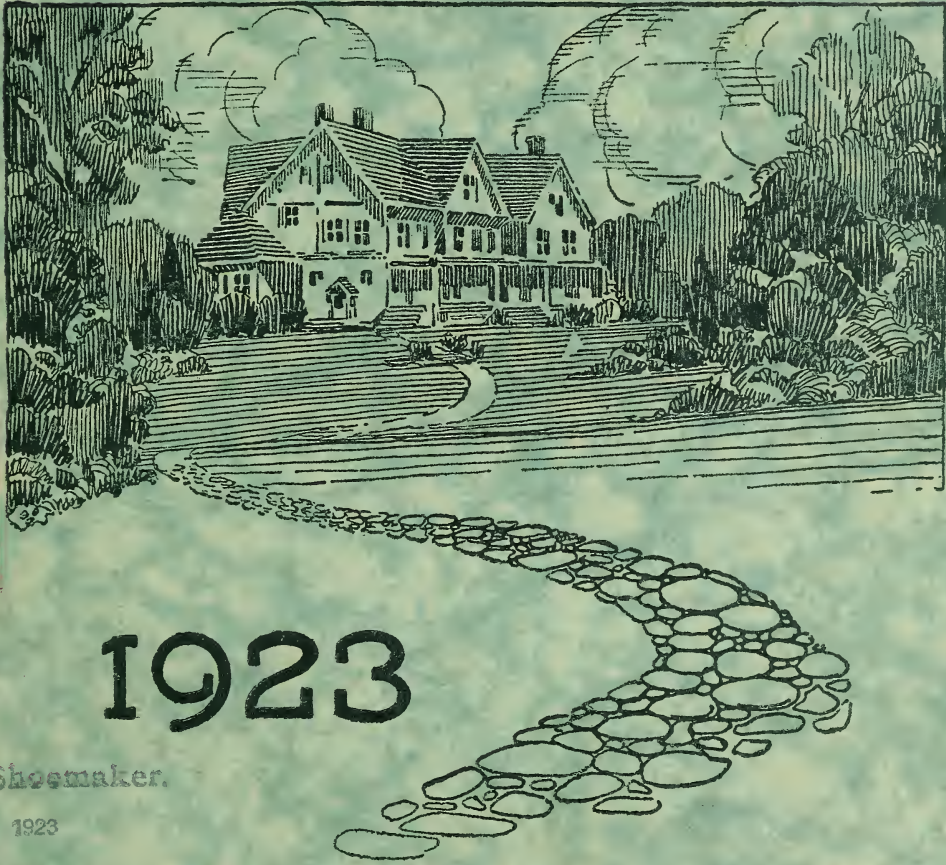
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U.S. DEPARTMENT OF AGRICULTURE
★ JAN 6 1923
U.S. DEPARTMENT OF AGRICULTURE

SEED ANNUAL



1923

D. N. Shoemaker.

JAN 12 1923

ST. LOUIS SEED COMPANY

The Home of "PURE AND SURE" SEEDS

411-13 Washington Ave.

ST. LOUIS, MO.

SUGGESTIONS FOR ORDERING

ORDER EARLY

WE WISH TO IMPRESS UPON YOU THE ADVANTAGE OF EARLY ORDERING. It is not only a convenience to us but it is also for your sake that we request this. Avoid the spring rush and have your seeds when you want them. They will not spoil, and the delay necessarily attendant during the spring will be eliminated. You will not be waiting for your seeds, when you should be planting. Our service will please you even during the busy season. Send your order now.

Unknown correspondents desiring to open an account will furnish three references from parties in the trade with whom they have had credit relations, otherwise cash must accompany order.

Remittances should be made by Post-Office Money Orders, Drafts on St. Louis Banks, or Express Money Orders. Where it is not possible to obtain these, the letter should be registered. We cannot guarantee receipt of money sent in any other way.

Goods desired C. O. D. must be accompanied by a partial remittance to guarantee acceptance.

In filling out your order always give Shipping Directions, and write Name and Address distinctly on each and every order.

PARCEL POST—Customers living on R. F. D. routes, and beyond express delivery, will aid us by stating: "Goods reach us by Parcel Post only," to avoid mistakes in sending by express.

ALL PRICES on VEGETABLE SEEDS are net, but on **PACKETS, OZS.,** and $\frac{1}{4}$ lbs. **WE PREPAY POSTAGE.**

PURCHASER PAYS TRANSPORTATION on Plants, Shrubs, Potatoes, Farm Seeds, Grass Seeds, Implements, Sundries and Poultry Supplies; also Seed by pound, gallon, peck and bushel.

EXPRESS AND FREIGHT CHARGES on large quantities, are cheaper than Parcel Post. We charge no cartage to depots or the Express Company offices, nor do we charge for boxes, packing or for small muslin bags.

When seamless cotton bags are required they must be remitted for; 40c each. Burlap, 10c each.

PARCEL POST RATES FROM ST. LOUIS

United States Parcel Post Rates (Seeds, plants and bulbs included)	First pound or fraction	Each additional pound or fraction	Packages must not exceed 84 inches (length and girth combined).
Local Rate.....	\$0.05	\$0.00 $\frac{1}{2}$	Limit of weight this zone, 70 lbs.
1st Zone, within 50 miles of St. Louis.....	.05	.01	Limit of weight this zone, 70 lbs.
2d Zone, over 50 and under 150 miles.....	.05	.01	Limit of weight this zone, 70 lbs.
3d Zone, over 150 and under 300 miles.....	.06	.02	Limit of weight this zone, 50 lbs.
4th Zone, over 300 and under 600 miles.....	.07	.04	Limit of weight this zone, 50 lbs.
5th Zone, over 600 and under 1000 miles.....	.08	.06	Limit of weight this zone, 50 lbs.
6th Zone, over 1000 and under 1400 miles.....	.09	.08	Limit of weight this zone, 50 lbs.
7th Zone, over 1400 and under 1800 miles.....	.11	.10	Limit of weight this zone, 50 lbs.

All small Parcel Post packages (seeds, plants and bulbs included), weighing 4 ounces or less, can be sent at the special rate of 1 cent for each 2 ounces or fraction to all parts of the United States. (Over 4 ounces must be sent at Parcel Post rates.)

Kindly Remit for Postage when it is necessary.

ABOUT WARRANTING SEEDS

Though the utmost care is used in grading and selection, we cannot be absolutely certain of the description or quality of seeds or plants, nor can we forecast the conditions under which they may be grown. Therefore, it is impossible to give any guarantee, and the contents of our packages are sold with that understanding. We shall gladly refund your money if you prefer not to accept the goods on those terms.

ST. LOUIS SEED COMPANY

FOR INDEX SEE PAGE 112

To Our Friends and Customers:

True garden economy consists in the production of abundant crops of the finest quality. This can only be secured by sowing seeds of the highest grade.

For nineteen years we have been supplying "Pure and Sure" Seeds, and today they still enjoy the highest confidence of all who ever used them. The same will be your case.

Our business has been built up on the one much-used word of "Quality". And to the planter this means much, for he absolutely must have seeds of only the highest quality. And we meet competition in this one way only. Price is a secondary consideration, but our prices will be found to be consistent with quality seed.

But we want you to plant "Pure and Sure" Seeds, for you cannot plant any better ones whether it is for the home-garden, market use or for the farm. The quality is there all the way through.

BUYERS OF SEEDS will find it worth while to devote some of their time to this catalogue. In it you will find reliable information as to varieties of seeds, bulbs, plants, etc. We hope it will be of use to all who are interested in making their vegetable gardens profitable and flower beds and lawns more attractive.

Our seeds are grown on contract by competent growers in the sections best suited to the different varieties. From our active and practical experience of years in the seed business and all its branches you will find us as competent to handle the business as anyone in the trade.

We are always ready to help you in your gardening problems. If you wish any advice or information, write us without hesitation or obligation of any kind. Our years of experience have given us a world of information for you to use, regardless of whether you plant "Pure and Sure" Seeds or not

Please remember that if you order early the benefit will be mutual.

Sincerely yours,

ST. LOUIS SEED COMPANY

VEGETABLE SEED COLLECTIONS

These collections contain a selection of the best and most useful varieties of vegetables for the home garden. The varieties included are all standard and well tried sorts, having given satisfactory results to many of the large growers and Market Gardeners, such collections being arranged to assist those who may not be familiar with the merits of the various kinds enumerated in this catalogue.

"PURE AND SURE" COLLECTION

12 PACKETS FOR 50c POSTPAID

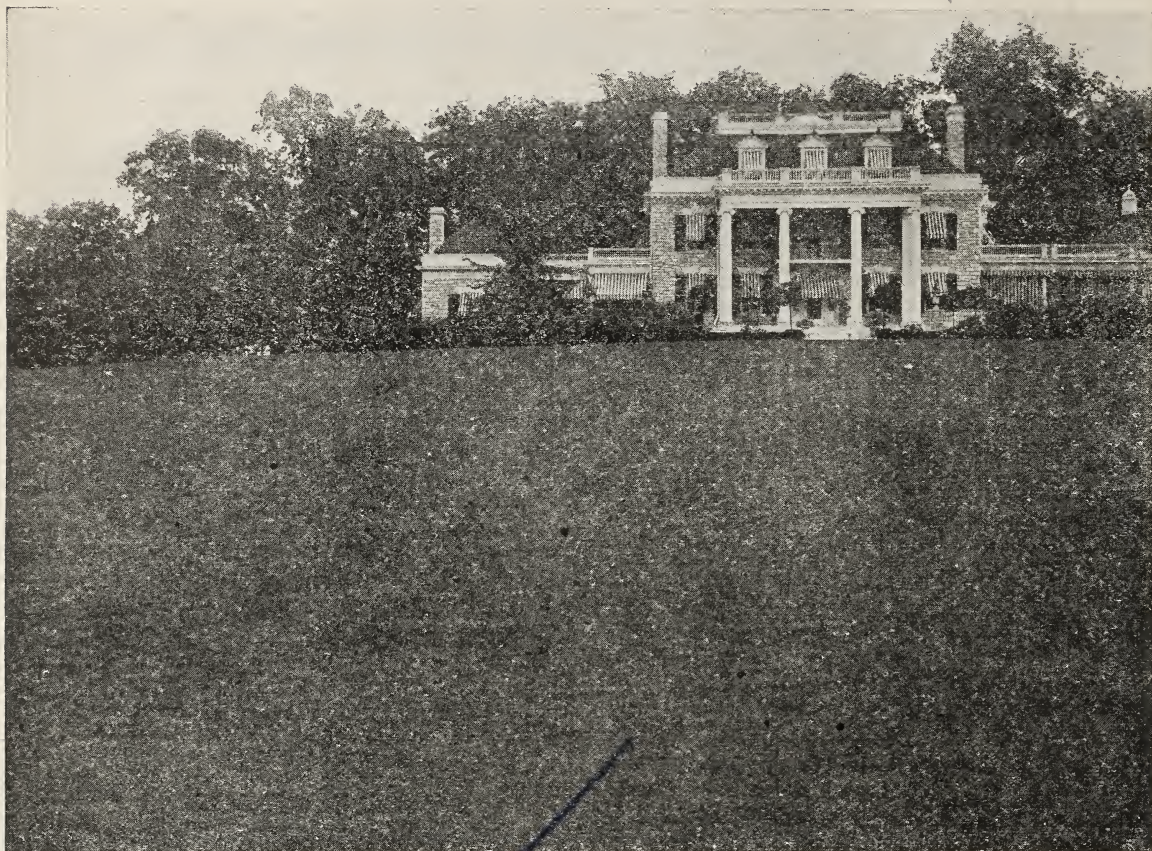
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|-----------------------------------|--|
| 1 pkt. Beans, Bountiful | 1 pkt. Peas, Alaska |
| 1 pkt. Beets, Egyptian | 1 pkt. Swiss Chard |
| 1 pkt. Carrots, Half Long | 1 pkt. Sweet Corn, Golden Bantam |
| 1 pkt. Lettuce, Prize Head | 1 pkt. Radish, Fire Ball |
| 1 pkt. Lettuce, Butter | 1 pkt. Radish, Icicle |
| 1 pkt. Parsley, Curled | 1 pkt. Tomato, Improved Excelsior |

HOME GARDEN COLLECTION

FOR \$1.00 POSTPAID

- | | |
|--|--|
| ¼ lb. Beans, Stringless Green Pod | 1 oz. Radish, Long White Strassburg |
| 1 pkt. Beans, Wax, Pencil Pod Wax | 1 pkt. Spinach, New Zealand |
| ¼ lb. Peas, Laxtonion | 1 pkt. Lettuce, St. Louis Market |
| 1 pkt. Sweet Corn, Golden Bantam | 1 pkt. Okra, Long Pod |
| ¼ lb. Sweet Corn, Stowell's Evergreen | 1 pkt. Kohlrabi, White Vienna |
| 1 oz. Beets, Detroit Dark Red | 1 pkt. Tomato, Stone |
| 1 pkt. Carrots, Danver Half Long | 1 pkt. Turnip, Strap Leaf |
| 1 oz. Radish, Scarlet Turnip, White Top | |

Notice:—The classified index of the contents of this catalog will be found on page 112.



ST. LOUIS SEED CO. HAVALAWN GRASS SEED ESPECIALLY ADAPTED TO THIS LOCALITY AND WILL INSURE A FINE, VELVETY LAWN

**IS PROCURABLE ONLY FROM US. EVERY PACKAGE BEARS OUR GREEN LABEL
NO OTHER IS GENUINE, AND WE WILL PROSECUTE ALL INFRINGEMENTS.**

To insure a perfect lawn, there are several requisites: a good depth of rich soil, properly drained, a liberal dressing of good fertilizer; a firm, smooth surface upon which to sow the seed and Havalawn Grass Seed. The latter item is of the greatest importance.

Havalawn is a mixture of the hardiest grasses that enter into any grass seed mixture. Havalawn insures a steady succession of growth—there will be no break in the richness of the verdure from Spring until Winter.

Its success has best proved its quality. Havalawn is the one perfect lawn seed. Havalawn provides that velvety, smooth green lawn that wins the admiration of all who see it for it is mixed from the seeds that produce the best lawns.

Year after year, a steady demand for Havalawn has made it stand out as the one real mixture. Its component parts are such seeds as help build a deep-rooted soil; that come up quickly to start the lawn; that keep the smooth lawn fresh and bright all through the summer. Only seeds that produce fine velvety lawns are used. Timothy and orchard grass are excluded on account of their coarseness.

Don't take a chance this spring with cheap grass seed or you will have more weeds than grass. Remember, Havalawn is all reclaimed seed and you know when you plant Havalawn that you will have a lawn of which you can be proud.

Price: ½ lb., 25c; 1 lb., 50c; 4 lbs., \$1.45; 10 lbs., \$4.50; 25 lbs., \$10.50

A SMOOTH LAWN AND FLOWERS WILL ADD MUCH BEAUTY TO YOUR HOME.

ST. LOUIS SEED CO.'S LAWN GRASS SEEDS

In 100 pound lots, write for prices.
One Lb. will sow 300 Square Feet. 50 Lbs. to the Acre.

A SMOOTH, velvety lawn surrounding a house adds not only to the value, but enhances the enjoyment of every home, whether it be in city, town or country. When properly made, a lawn is as satisfactory as any investment a home-owner can make. A lawn may be made in two ways, by sodding or by sowing seed. Sodding is not only very expensive, but unsatisfactory as well. Sodds are ordinarily taken from a pasture or along the roadside and almost invariably contain weed seeds and coarse, tufty grasses which appear after the lawn is made. Seeding is not only more economical, but is attended with better results.

BERMUDA GRASS

IS a dwarf perennial plant and spreads by means of its long and many-jointed root stalks, and for this reason is hard to eradicate once it has secured a foothold; thrives during the hottest part of the year, and will live under water for a long time. Makes a durable lawn and is also used to hold embankments. Price: ½ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.75.

CANADIAN BLUE GRASS

RESEMBLES somewhat the Kentucky Blue Grass, but is not of so good quality. It is grown very extensively in Canada and some parts of the United States. Price: ½ lb., 20c; 1 lb., 35c; 3 lbs., \$1.00; 10 lbs., \$3.00.

ENGLISH RYE GRASS

IT GROWS rapidly and makes a good showing within month from time of sowing. Valuable for planting early on dry hillside. Price: 1 lb., 25c; 3 lbs., 70c; 10 lbs., \$2.00.

FANCY KENTUCKY BLUE GRASS

THIS famous grass is well known in all sections. It generally grows well on any stiff or loamy soil fertile and well drained in Central and Northern States. Kentucky Blue Grass is at its best in the Spring and Fall months, but being rather sensitive to heat, does not grow luxuriantly during Summer. It takes a considerable time to get a good stand of this, as it grows very slowly at the start, but, when once established, forms a close compact turf, making a fine lawn. Price: ½ lb., 30c; 1 lb., 50c; 3 lbs., \$1.45; 10 lbs., \$4.50; 25 lbs., \$10.75.

GOOD RESULT MIXTURE

THIS is intended for back yards, large playgrounds, etc., and where grass is wanted quick to cover unsightly places. Price: ½ lb., 20c; 1 lb., 35c; 3 lbs., \$1.00; 10 lbs., \$3.00.

For Other Grasses, See Page 35.

FERTILIZERS

For LAWN, GARDEN, FIELD and HOUSE PLANTS

PULVERIZED SHEEP MANURE

THIS is a high grade of Fertilizer and is especially adapted for Gardens and Lawns. No better manure can be secured. It is selected from the accumulation in the Western Sheep Feeding Stations, where thousands of sheep are confined in pens to be fattened for market.

This manure is gathered from the pens, shipped to the reduction plant, and then is immediately dried by a special direct heat process. In landscape work, for gardens and lawns, there is no equal.

For Lawns use 100 lbs. to 1000 square feet.

For Flower Beds and Vegetable Gardens, before planting, use 50 lbs. to 500 square feet.

For Mixing Potting Soil, use 1 qt. to 20 qts. of earth. Price: 5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.00; 50 lbs., \$1.60; 100 lbs., \$2.75.

For Other Fertilizers See Page 88

GOLF LINKS MIXTURE

WE HAVE given much attention to Grasses for Golf Courses. This Mixture is composed of foreign Grasses that thrive here, with the addition of several fine American varieties. By the use of this Mixture, and with proper care, the finest Fair Greens and Putting Greens in the world can be successfully rivaled. If conditions are favorable, a good playing turf may be secured in eight weeks. Price: 1 lb., 75c; 5 lbs., \$3.65; 25 lbs., \$17.50.

PUTTING GREEN MIXTURE

A CAREFUL study of the requirements for making the most substantial turf for Putting Greens developed the mixture herewith offered by us for this purpose. The varieties comprising it are all of the finest-bladed, low growing and most hardy kinds, and maintain their rich, green color throughout the season. Price: 1 lb., 75c; 5 lbs., \$3.65; 25 lbs., \$17.75.

ST. L. S. CO.'S SHADY LAWN MIXTURE

THIS mixture is intended for all situations that are in partial or complete shade, and will be found invaluable on grounds lying under the shadows of trees or buildings. This mixture is a combination of fine dwarf-growing ever-green varieties of grass, which grow naturally in the woods or in shaded spots. Sow thickly. Price: ½ lb., 35c; 1 lb., 60c; 3 lbs., \$1.75; 10 lbs., \$5.50.

WHITE OR DUTCH CLOVER

A LOW, close-growing clover; round, white heads, very fragrant. Very desirable for beautifying the lawn. It will stand close cutting and very rapidly throws up an abundance of leaves and blossoms. Price: ½ lb., 50c; 1 lb., 90c; 3 lbs., \$2.65; 10 lbs., \$8.50.

BONE-MEAL

BONE-MEAL is used for top dressing for lawns, meadows, vegetable gardens and flowers. It carries Ammonia and Phosphoric Acid and may be applied at any time of the year. Bone-Meal continues to feed the soil for ten months and its effect is plainly apparent upon land for years.

For Top Dressing on Lawns use 50 lbs. to 1000 square feet.

For Mixing Potting Soil, 2 lbs. to 20 qts. of earth. Price: 10 lbs., 65c; 25 lbs., \$1.50; 50 lbs., \$2.50; 125 lbs., \$5.00.

HYDRATED LIME—Hydrated Lime used for top dressing on lawns and mixing soil for potting plants; 50 lbs. to cover 1,000 square feet. Price: 10 lbs., 35c; 50 lb. bag, 90c.

PULVERIZED LIMESTONE—As a crop-producer we hardly believe it has an equal. It is made from the purest crystalline white limestone obtainable. Bag of 100 lbs., \$1.50; ½ ton, \$12.00.

GENERAL LIST OF HIGHEST GRADE VEGETABLE SEEDS

IT has always been our endeavor to list only such sorts of vegetable seeds as, from our tests and experience, we have found to be of superior merit. In many instances we have stricken out varieties that were out-of-date but have always listed a superior sort that we could honestly recommend as better for the home garden as well as for the market gardener.

To the market gardener, we know that he is well acquainted with the varieties and the various vegetables that prove the most satisfactory and profitable for his neighborhood. To him we can only say that "Pure and Sure" Seeds of any variety he plants will be the best investment he can make.

The varieties which have proven themselves of superior quality are shown in larger type. These are the varieties best suited for the home garden and in making your selection, you can rely upon our judgment in this regard.

Our sources of supply are the very best and our strict tests for germination and vitality assure all who plant "Pure and Sure" Seeds that as far as the seeds are concerned all that human hands can do to make them the very best has been done.

With this in mind, we are sure you will not hesitate about sending us your order for seeds for the coming spring, and we in turn have no doubt that you will ever be disappointed with the results from "Pure and Sure" Seeds.

ASPARAGUS

One ounce will sow about 50 feet of drill.

THE asparagus seed furnishes the first green delicacy for our table in the Spring, is universally popular, and requires but little care for its successful cultivation.

To secure the choice early stalks the land selected for an Asparagus bed should be a warm rich loam, preferably exposed to the South. Manures and fertilizers must be used lavishly to secure the best results. Plants can be easily raised from seed.

We also offer the roots two years old, which will become established in a single season. One ounce of seed will sow about 50 feet of drill. For the home garden, set the plants about 18 inches apart and about 3 feet between the rows.

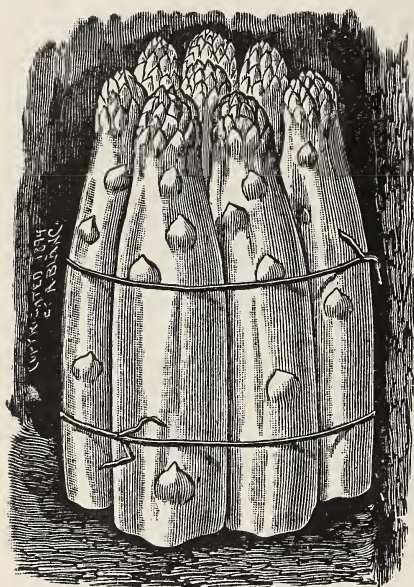
When ordering, ask for our free leaflet on Asparagus Culture.

COLUMBIAN WHITE—Clean white Asparagus and remains so in favorable weather, until three or four inches above the surface. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c.

EARLY GIANT ARGENTEUIL—This variety has thus far been free from rust. Very early, producing an even growth and a large yield. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c.

PALMETTO—A close second to our famous Columbian White Mammoth. Light green, heavy-yielding, early producing, large clear stalks of excellent quality. Very early. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c.

ASPARAGUS ROOTS—The easiest way to start your Asparagus Bed. Two-year-old roots. Price: Doz., 25c; 4 doz. for 90c; 100 for \$1.75.



Columbian White.

ASPARAGUS—By Hexamer. A reliable treatise on Planting, Cultivating, Cutting and Use of Asparagus. Price, \$1.25 postpaid.

ARTICHOKE

CULTURE.—In February or March sow in hotbed, transplant to the open in May in rows three or four feet apart and two feet apart in the rows. Should give globes the same year. Seed sown in May and transplanted in June has to be wintered. Tie up leaves, then bank with dirt; will mature the second year.

GIANT GREEN GLOBE—Produces large globular heads, thick, succulent scales, the bottom of which is the edible part. Boiled till tender, it makes a delicious dish. Price: Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.60.



Giant Green Globe Artichoke.

DWARF or BUSH BEANS

2 pounds will plant 200 feet of drill.

CULTURE.—Plant about the first of May in rows, placing the seeds 2 to 3 inches apart in drills about 2½ inches deep. The rows should be about 2½ feet apart, and the soil slightly hilled, to insure good drainage and keep the Beans from touching the ground. Most Beans should be picked when about 4 inches long. Frequent pickings insure a more prolonged bearing season. Avoid jerking the plant, as this frequently disturbs young feeding roots. Use the finger-nails to sever the stems. Do not pick when bushes are wet, as this may cause blight and rust. For succession plant every two weeks up to August 1.

GREEN PODDED VARIETIES

At the following prices on Beans, packets and quarter pounds are sent prepaid, all larger quantities are shipped at purchaser's expense; if wanted by parcel post, add postage at rate. (See inside front cover.)

MOHAWK EARLY—Hardest of any early Bean; will stand a slight frost and for this reason is excellent for the market gardener. Vines are large with coarse leaves; pods, long, straight, flat and green. Price: Pkt., 10c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.45.

VALENTINE, IMPROVED EARLY ROUND POD—One of the best extra early for home use or market. Extra early and is usually ready for harvesting from thirty-five to forty days after planting. A fine variety for Midsummer sowing to ripen in September. Vines strong and vigorous; pods green, medium length, curved, with creases in the back, very fleshy, crisp and tender. Price: Pkt., 10c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.45; 10 lbs., \$2.50; 50 lbs., \$9.50.

STRINGLESS GREEN POD—Valuable for home garde nor for market. It is valuable for its extreme earliness and is absolutely stringless, which makes it one of our best extra early Beans, and wonderfully productive; pods of handsome appearance and finest quality. Price: Pkt., 10c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$1.75; 10 lbs., \$2.75; 50 lbs., \$10.00.

REFUGEE, EXTRA EARLY—A selection from the Refugee with all its good qualities and about ten days earlier. Dry beans long and dark drab; pods splashed with purple. Price: Pkt., 10c;

¼ lb., 15c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.45; 10 lbs., \$2.50.

ST. L. S. CO.'S STRINGLESS BOUNTIFUL—This superior variety is a distinct improvement in green Bush Beans and has become exceedingly popular wherever known. The merits of this bean may be summed up in the following: Rich, green flat pod, of a large size, solid, meaty and of a delicious flavor. The pods are extra long and of a uniform shape and size. Price: Pkt., 10c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75; 10 lbs., \$2.75.

LONGFELLOW—Remarkably early and has excellent flavor; its delicacy remains almost intact when prepared for the table. The pods are about six and one-half inches long, pale green in color, straight and round; very productive and crop matures very regularly. Beans are small, mottled dark red. Price: Pkt., 10c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.45; 10 lbs., \$2.50; 50 lbs., \$9.00.

BLACK VALENTINE—A Bean which has been planted extensively in the South on account of its heat-resisting qualities. Matures early, producing long, round, straight pods, which are tender when quite young. Few Beans are greater yielders. Price: Pkt., 10c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.45; 10 lbs., \$2.50.

GIANT STRINGLESS GREEN POD—Pods greatly resemble those of Stringless Green-Pod. Fully an inch longer in size but not quite so early. A variety that is largely grown for the market on account of its size and splendid shape. Price: Pkt., 10c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.45; 10 lbs., \$2.50.

WHITE NAVY—The famous little white soup bean that needs no further introduction. Very prolific and a sure cropper. Price: Pkt., 5c; ¼ lb., 15c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.15; 10 lbs., \$2.00.



A trial of our Novelty Collection of Sweet Peas will prove it to be an exceptionally choice assortment of the best named varieties of recent introduction of the Giant-flowering type. See our Novelties Collection.

See Page 62

WAX-PODDED BUSH BEANS

At the following prices on Beans, packets and quarter pounds are sent prepaid, all larger quantities are shipped at purchaser's expense; if wanted by parcel post add postage at rate on inside front cover.



DAVIS WAX—A very hardy and productive variety, desirable where a wax-podded, white-seeded mid-season sort is wanted. Vines very vigorous. Pods invariably long, $6\frac{1}{2}$ or 7 inches, light yellow, straight and handsome and when young are crisp and tender. Seed medium large, kidney-shaped, clear-white and excellent for baking. Price: Pkt., 10c; $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 25c; 1 lb., 40c; 5 lbs., \$1.50; 10 lbs., \$2.60.

ST. L. S. CO.'S NEW WHITE WAX—This new round-podded Dwarf Wax Bean has attained the top notch among Beans of this class. It has been so highly bred and selected that it excels all others in its combination of essential qualities, among which are remarkable uniformity in size and shape. It produces no culls, the pods average five to six inches in length, which is unusually large for a round-podded, wax variety; they are very solid, meaty and tender, free from string, breaking brittle, and the flavor is unsurpassed. These desirable table qualities are retained well on toward maturity, long after many other sorts have become too tough and stringy to use. The plant is everything desirable, bushy and robust, free from rust or mildew, and extremely prolific. Price: Pkt., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 30c; 1 lb., 50c; 5 lbs., \$1.75; 10 lbs., \$3.00.

KIDNEY WAX, WARDWELL'S—One of the most popular beans in this vicinity, especially for the market gardener, owing to the large size of the pod and excellent quality. Vines are very large, strong and vigorous, bearing long, straight, wax-like pods. Dry beans are large, kidney-shaped, white dark-marked about the eye. Price: Pkt., 10c; $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 25c; 1 lb., 40c; 5 lbs., \$1.50; 10 lbs., \$2.60; 50 lbs., \$9.50.

ST. L. S. CO.'S PENCIL POD BLACK WAX—Of all black wax beans, this variety surpasses all others. For market gardeners as well as for home use it cannot be surpassed. Price: Pkt., 10c; $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 25c; 1 lb., 40c; 5 lbs., \$1.50; 10 lbs., \$2.60; 50 lbs., \$9.50.

GOLDEN WAX—The most tender of all market sorts. One of the best for home garden. Pods long, nearly straight, broad, flat, golden, yellow and very fleshy. It is the highest quality snap Bean. Dry bean oval, white, more or less colored with shades of purplish red. Price: Pkt., 10c; $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 25c; 1 lb., 40c; 5 lbs., \$1.50; 10 lbs., \$2.60; 50 lbs., \$9.50.

LIMA BEANS (Dwarf Bush)

2 Lbs. will plant 200 feet of drill.

PLANT in light, rich soil, in drills 2 feet apart, dropping the seeds about 1 foot apart in the row and cover 2 inches.

BURPEE'S BUSH LIMA—A true bush form, growing 18 to 20 inches high. An immense yielding variety, each bush being laden down with large Limas of the most luscious flavor. Its vigorous growth and large pods make it stand out as one of the finest Bush Limas. Price: Pkt., 10c; $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 25c; 1 lb., 40c; 5 lbs., \$1.60; 10 lbs., \$2.75.

FORDHOOK BUSH LIMA—The Fordhook produces a strong, true bush-like growth, branching freely with all the branches held upright. It has an exceptionally strong, vigorous growth that enables it to produce more prolifically in large clusters, beans about five inches long, of the most delicious flavor. The pods contain three to five beans with an average of four. Price: Pkt., 10c; $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 25c; 1 lb., 40c; 5 lbs., \$1.60; 10 lbs., \$2.75.

HENDERSON'S BUSH LIMA—A famous variety, grows in compact bush form and produces enormous yields of delicious Lima Beans. Our improved strain insures heavy yields and continuous crop from July until frost appears. Price: Pkt., 10c; $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 25c; 1 lb., 35c; 5 lbs., \$1.25; 10 lbs., \$2.25.

NEW IMPROVED BUSH LIMA—Similar to the Burpee's Bush Lima, except in size it is smaller. The sturdy bushes are loaded with large, well-filled pods. Whether you grow for home use or for market, it will pay you to devote plenty of garden space to our New Improved Lima. Price: Pkt., 10c; $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 25c; 1 lb., 40c; 5 lbs., \$1.60; 10 lbs., \$2.75.

BROAD WINDSOR—An old-fashioned English shell Bean. This Bean is very hardy; it should be planted as early as the ground will permit, three or four inches deep in rows three feet apart, and plants four feet apart in row. Dry beans very large and yellowish green. Price: Pkt., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 50c.



New Improved Bush Lima.

POLE OR CORNFIELD BEANS

CULTURE.—Pole beans are more sensitive to cold than the bush kinds, and should not be planted before the ground is warm—in this latitude, after May 1st. Set poles 6 to 8 feet long, 3 to 4 feet apart, in 4-foot rows and plant five or six beans 2 inches deep around each pole. They may also be planted in the cornfield and allowed to run up the stalk. More troublesome to grow than bush beans, but they are of better quality and bear longer and more profusely. One pound will plant 100 hills; 30 pounds to the acre.

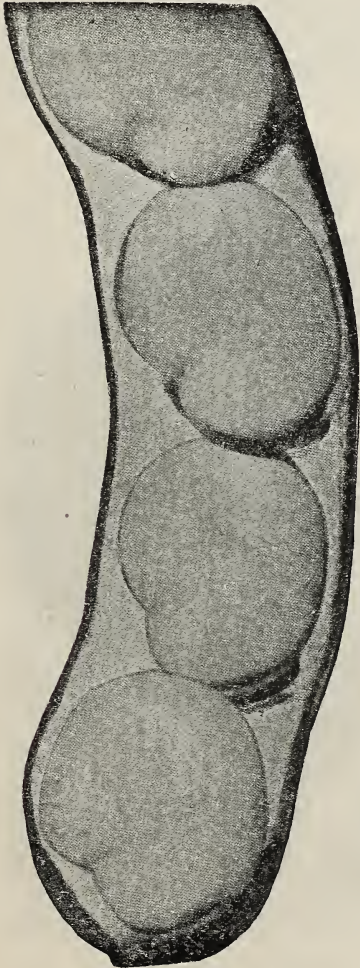
ST. L. S. CO.'S WHITE CORNFIELD—In this Pole Bean we have one that far surpasses anything on the market. This Bean is a cross between our regular White Cornfield and Kentucky Wonder; it is a fine long, round, thick and meaty green pod, with a white bean.

It is a much better bean than anything ever offered in this line, and will bear much longer than others. We have developed this bean into a real wonder and we are sure that you will be highly pleased with the results from our New White Cornfield. **Price: Pkt., 10c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.50; 10 lbs., \$2.50.**

MISSOURI WHITE CORNFIELD—A fine long, green, round pod of superior quality. Beans are white and mealy, a fine boiling or baking variety. Grown quite extensively for market gardening and home use. **Price: Pkt., 10c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.50; 10 lbs., \$2.50.**

LAZY WIFE—The pods are of a medium dark green color and grow from 5 to 7 inches in length. They are broad, thick and very fleshy, and are entirely stringless. **Price: Pkt., 10c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.50; 10 lbs., \$2.50.**

KENTUCKY WONDER, OR OLD HOME-STEAD—Undoubtedly the earliest and most productive, bearing in great quantities clusters of light green pods, long, meaty and of excellent flavor. Can be grown with corn to good advantage. **Price: Pkt., 10c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 35c; 5 lbs., \$1.25; 10 lbs., \$2.25.**



POLE LIMA BEANS

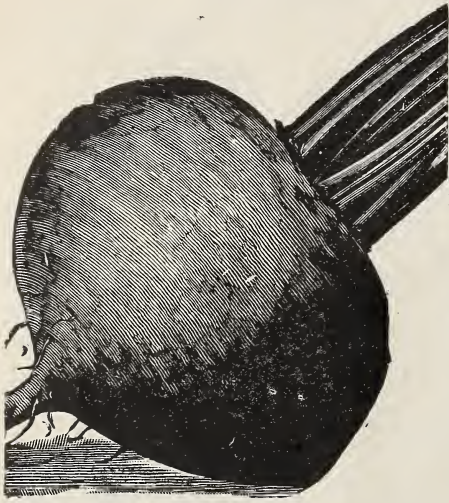
CULTURE.—A warm, sandy loam, enriched with well rotted stable or poultry manure is best. Must not be sown until the ground is warm and dry. When poles are used for support they should be set not less than 4 feet apart each way. Plant 4 to 6 beans to a pole, 2 inches deep. When well started thin out to 2 plants to a pole. Cultivate frequently but shallow.

ST. L. S. CO.'S GENUINE BUTTER—Here is the good, old-fashioned but original Butter Bean and is the only one **genuine Butter Bean** we know of. These beans have a creamy-white color, in large pods, and are far more delicious than the ordinary Lima Bean. The vigorous vines, with plenty of pods, will supply you with the most delicious Butter Beans you ever tasted. **Price: Pkt., 10c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.**

KING OF THE GARDEN—The true "King" of the Limas. Stronger and more productive than any of the large White Limas and is the favorite of the market gardeners on account of its long, well-filled pods, which are numerous and of mammoth size. If two vines are left growing on a pole it will come into bearing sooner and make larger pods. **Price: Pkt., 10c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.50; 10 lbs., \$2.75.**

EXTRA EARLY JERSEY—Very productive and of fine quality. It is especially valuable to those residing in districts where the season is too short to produce later ones as it is from 10 to 15 days earlier than any other pole Limas. **Price: Pkt., 10c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.50; 10 lbs., \$2.75.**

BEETS One ounce will sow 100 feet of drill; 5 to 6 lbs. to the acre.



Crosby Egyptian.

Price Postpaid.

CULTURE.—Seed should be sown the first part of April. The ground should be spaded well and deep, placing rows about 18 inches apart, and the drills 1 inch deep. Cover the seed carefully and firm in the ground by walking over the drills. When seedlings appear about 3 inches above ground, thin out to about 4 inches between the plants so as to give ample room for the proper development of the bulbs. Beets are best for pulling when about 2 inches in size. Successive sowings may be made up to the middle of July.

EARLY WONDER—One of the earliest and most perfectly shaped Beets. Its beautiful, deep blood-red color, globular-shaped root, small-sized top, and clean tap-root, make it valuable for the home garden. The attractive appearance, uniform size, shape, and color, have created a very heavy demand for this variety. It is grown very extensively for early bunching. **Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., \$1.00.**

EXTRA EARLY EGYPTIAN—An early variety, which is suitable for forcing and growing in the open garden. The tops are small and the Beets are rounded on top, but flat at bottom end. The color of flesh is dark and light red, and the Beets are tender. **Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c; 5 lbs., \$3.00.**

CROSBY'S EGYPTIAN—One of the earliest and best strains of Beets, of a deep red color, sweet and tender. They run uniform in size, making them just right for bunching. We recommend our strain of Crosby's Egyptian as it is a **distinct** improvement over the older forms of Egyptian Beets. It is the favorite of the market gardeners, as it is the earliest and most uniform beet they can grow. **Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c; 5 lbs., \$3.00.**

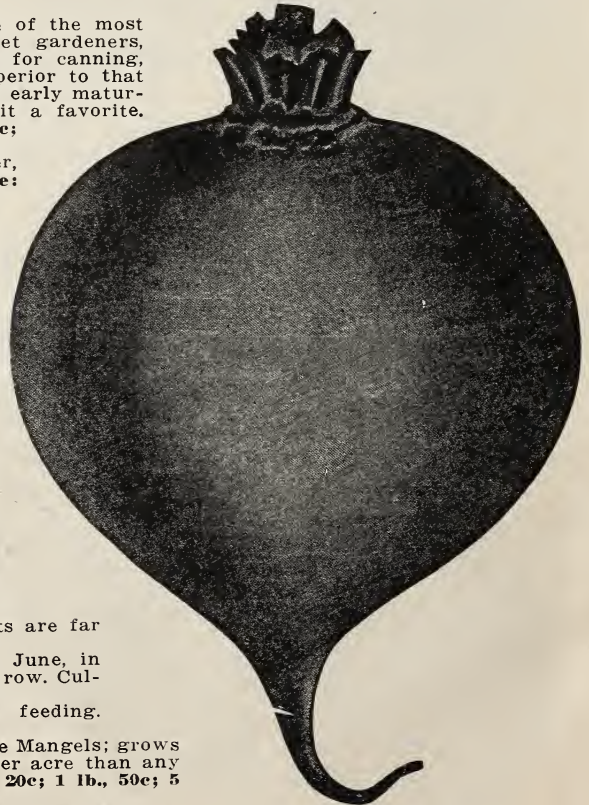
NUTTING GEM—Is very early, and surpasses all varieties in flavor. It is a main crop variety, of great size, for the market garden. Both skin and flesh are of a deep, rich red and this color is retained when cooked, which makes it so popular for canning and pickling. **Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.**

DETROIT DARK RED—This superb variety is one of the most popular red Turnip Beets, not only for market gardeners, but for home use. It is also one of the best for canning, making a strikingly handsome product, far superior to that obtained from any other variety. The small top, early maturing and splendid shape and color have made it a favorite. Root globular and very smooth. **Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50.**

LONG SMOOTH BLOOD-RED—A most excellent keeper, grows to good size, half out of ground. **Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., \$85c.**

IMPROVED CRIMSON GLOBE—A handsome variety of medium size and entirely free from rootlets, as its name implies, it is a perfect globe-shaped Beet, dark blood red color, smooth skin, sweet and tender. It is, without an exception, one of the finest beets grown. **Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c; 5 lbs., \$3.00.**

EDMAND'S BLOOD TURNIP—A second-early variety of good flavor. A handsome, clean, turnip-shape blood beet. Skin and flesh are of a deep blood red, sweet and tender in quality, and unsurpassed for solidity and keeping purposes. The roots grow regular and are of right marketable size. An excellent keeper. **Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c; 5 lbs., \$3.00.**



Edmand's Beet.

MANGEL WURZEL

For Stock Feeding.

THE value of Mangels for stock feeding is recognized everywhere and they are being more widely used every year. Our stock of Mangel seed is grown in Europe by experts and in no other place can this seed be equaled in producing large, fine roots. Cheaper seed can be obtained but the results are far less satisfactory. We handle only the best seed.

Culture—Sow 4 pounds to the acre in May or June, in rows three feet apart, and thin to nine inches in the row. Cultivate frequently with horse tools.

GOLDEN TANKARD—The best yellow for stock feeding. **Price: Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c.**

MAMMOTH LONG RED—This is the largest of all the Mangels; grows to an enormous size and will yield more tons per acre than any other variety. **Price: Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c; 5 lbs., \$2.25.**

GIANT HALF SUGAR MANGEL—A good variety for stock feeding. Roots grow partly above ground. **Price: Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c.**

SWISS CHARD OR SPINACH BEET

CULTURE—Same as for beets; transplant 12 inches apart in rows 18 inches apart. Sow seeds in the Spring, as for common beets.

Grown for its leaves only; one of the best early greens. Cook the leaves as you do spinach and the stems in cream as asparagus. Leaves grow to enormous size, 20 inches to 2 feet in length.

SWISS CHARD—The plants grow from 2 to 2½ feet tall and consist, when fully developed, of about a dozen creamy white, attractively smooth leaves. These leaves are carried on broad, thick stalks. Price: Pkt., 5c; Oz., 10c; ¼ lb., 25c; 1 lb., 75c.

LUCULLUS—A moss curled variety. Very large leaves and the middle ribs can be served as Asparagus. Price: Pkt., 5c; Oz., 10c; ¼ lb., 25c; 1 lb., 75c.

BRUSSELS SPROUTS

THE very best winter vegetable, having small knobs or heads along the stem, which may be boiled like cabbage or cooked like cauliflower.

ROSEBERRY—The choicest variety obtainable and highly valued on account of its strong robust growth and remarkable juicy tender heads. Price: Pkt., 10c; Oz., 25c; ¼ lb., 90c.

BORAGE

The young leaves of this annual, which smell somewhat like a cucumber, are used as salad, or boiled like spinach. Price: Pkt., 10c; Oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.

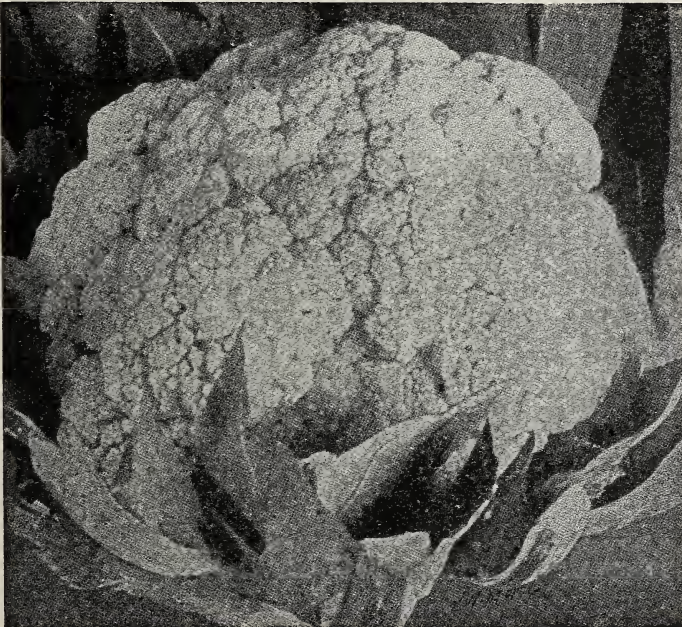


Lucullus Swiss Chard.

CAULIFLOWER

CULTURE—Start plants in frame or seed beds, or for early plants start in hot-bed. Transplant as soon as large enough to handle. Set the plants two to three feet apart each way. One ounce of seed will produce from 3,000 to 4,000 plants.

ST. LOUIS SEED CO.'S EARLY PERFECTION ERFURT FORCING—In this strain we endeavor to build up a strain that comprised all the fine points in Cauliflower and the success of this variety has shown how we succeed. It is gorgeous beyond description. Snowlike in color and its growth of the compact form that will delight the grower. For an early out-door forcing variety it cannot be equaled and is worthy of a trial. Price: Pkt., 25c; ¼ oz., \$1.25; ½ oz., \$2.25; 1 oz., \$4.00.



St. L. S. Co.'s Earliest Dwarf, Erfurt, Extra Select.

St. L. S. Co.'s Earliest Dwarf Erfurt, Extra Select

THIS is a very early reliable sort that has found special favor in many sections. Forms white heads six to ten inches in diameter of good quality. Its close growing habit permits more heads to a given area than the late maturing sorts. Our strain of this fine variety is direct from the originator. Price: Pkt., 25c; ¼ oz., \$1.25; ½ oz., \$2.25; 1 oz., \$4.00; ¼ lb., \$14.00.

EARLY SNOWBALL

LARGE solid white heads. A sure-cropper. It is the ideal cauliflower for general use. A sure leading variety of dwarf habit, with short outer leaves, especially adapted for forcing under glass during winter and spring. Price: Pkt., 20c; ¼ oz., \$1.00; ½ oz., \$1.75; 1 oz., \$3.00; ¼ lb., \$11.00.

PRIDE OF DENMARK

THIS excellent variety is especially adapted to long, dry seasons. The heads grow to large size, very solid, pure white and of a very delicious flavor. Price: Pkt., 25c; ¼ oz., \$1.25; ½ oz., \$2.25; 1 oz., \$4.00.

Above prices postpaid.

CABBAGE

One ounce will produce about 2,000 plants; $\frac{1}{4}$ pound seed in beds will produce plants for one acre. **CULTURE**—Sow the early kinds in hotbeds in February and March, and in the open ground in April and May. The late varieties for fall and winter use sow in May, and transplant from the 8th to the 25th of July. Plant the early sorts 20 inches distant in a row and 2 feet between the rows; the later sorts $2\frac{1}{2}$ feet each way. To be well-grown, Cabbages require a deep, rich loamy soil. Our Cabbage seed is especially grown for us, and we offer it as being of superior quality.

EARLY JERSEY WAKEFIELD

IT IS impossible to exaggerate the many fine qualities found in our strain of early Jersey Wakefield. The heads are hard and solid with just a few outside leaves which protect the heads.

An exceedingly productive variety, resists cold and you are sure of the finest results from this variety even under the most unfavorable conditions, and when you plant our strain of Improved Seed you can expect a big crop. **Prices:** Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; 4 oz., \$1.00; 1 lb., \$3.50.

CHARLESTON, OR LARGE-TYPE WAKEFIELD

THE one big advantage of our Charleston is the greater size, where large-sized cabbages are wanted, either for market or private use. It is fully one-third larger than the Jersey Wakefield and therefore more popular with many.

Heads are solid, pointed and is a heavy yielder. You can expect the finest and largest heads from our strain of our Charleston Wakefield. **Price:** Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; 4 oz., \$1.00; 1 lb., \$3.50.

COPENHAGEN MARKET

THIS is without doubt the best early round headed cabbage and that its wonderful merits are appreciated is demonstrated by the large plantings made of this variety.

The type is thoroughly fixed and the heads maturing at the same time, which makes it so popular and the great favorite of the market gardener. It means less cost in harvesting. It is a vigorous grower and yielder and an excellent keeper. The leaves are of a light green color and tightly folded together in a remarkably solid and compact form. The heads average ten pounds in weight, are solid and firm.

Don't experiment with a cheap strain of this famous variety. **Price:** Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; 4 oz., \$1.25; 1 lb., \$4.50.



Copenhagen Market.

HENDERSON'S EARLY SUMMER

THIS is one of the best of the large, early cabbages and is exceedingly valuable for the home or market gardener. The heads are larger than the Wakefield type and only a few days later, points to be considered when growing for the market. **Price:** Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; 4 oz., \$1.00, 1 lb., \$3.50.

IMPROVED BRUNSWICK

OURS is the true short stem type. Good for second early and late crops, and attains an extraordinary large size. **Price:** Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 30c; 4 oz., 75c; 1 lb., \$2.75.

ALL SEASONS OR SUREHEAD

THE names best describe this variety as it is a sure-headed of the flat Dutch type of heads and a first-class main crop. The heads are very large, extremely hard and solid. This certainly is the great all year round cabbage. **Price:** Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 30c; 4 oz., 75c; 1 lb., \$2.75.

GLORY OF ENKHUIZEN—This second early variety is very sure heading and of excellent quality. The plants are of vigorous growth, with large, rather spreading outer leaves which are noticeably curved and frilled. The heads are globular or very nearly round, very solid and of large size for so early a variety. **Price:** Pkt., 10c; $\frac{1}{2}$ oz., 20c; 1 oz., 35c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.50.



Early Jersey Wakefield.

Above prices postpaid.



St. Louis Late Market.

"AMERICAN KING"

The Best Keeper. The Largest Headed. The Finest Quality.

INTRODUCED by us in 1904, it has met with universal praise everywhere. Mammoth solid heads, weighing from 15 to 20 pounds, are common sights in a field of this wonderful late cabbage. We know of no cabbage that could equal this magnificent variety, the real genuine leader of all. Its chief points of merit are its absolute reliability of a sure crop, its uniformly large size of head, its great drought and worm-resisting qualities. A distinct feature of our American King is the small number and small size of the ribs. Our American King is the cabbage to grow. Price: Pkt., 10c; ½ oz., 25c; oz., 35c; 4 oz., \$1.00; lb., \$4.00.

Above prices postpaid.

CABBAGE—Continued

ST. LOUIS LATE MARKET—For regularity in growth and sure heading this variety cannot be equaled. Is of handsome color and appearance; mammoth in size, delicious in flavor, highest in quality, extra short stem and compact in growth. Price: Pkt., 10c; ½ oz., 20c; oz., 35c; 4 oz., \$1.00; lb., \$3.50.

SUPERIOR LATE FLAT DUTCH—The heads are large and very solid; open white, are crisp and tender, and sure to head. Price: Pkt., 10c; ½ oz., 20c; oz., 35c; 4 oz., 75c; lb., \$2.75.

RED CABBAGE

EARLY RED ERFURT—Very early and solid. Price: Pkt., 10c; ½ oz., 25c; oz., 45c; 4 oz., \$1.50.

MAMMOTH ROCK RED—This is by far the best, largest and surest-heading Red Cabbage ever introduced. The plant is large, with numerous spreading leaves. The head is large, round, very solid. Price: Pkt., 10c; ½ oz., 25c; oz., 45c; 4 oz., \$1.50.

SAVOY CABBAGE

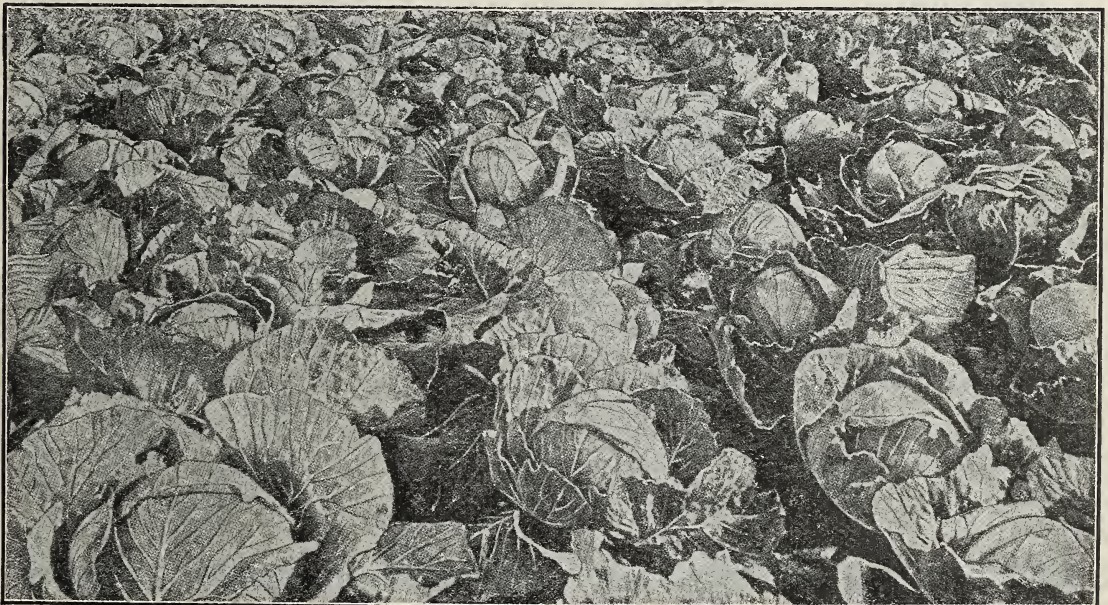
PERFECTION LATE SAVOY—None of the late-growing varieties can begin to equal in flavor this sort for family use; heads large. Price: Pkt., 10c; ½ oz., 25c; oz., 45c; 4 oz., \$1.50.

EARLY DWARF ULM SAVOY—A very early and superior dwarf variety of fine quality. Price: Pkt., 10c; ½ oz., 25c; oz., 45c; 4 oz., \$1.50.

CELERY OR CHINESE CABBAGE

Chinese Cabbage should be sown in the spring for early use and again in July or August for fall use. Sow in drills 16 to 20 inches apart and thin the seedlings to 10 inches apart.

The full grown plant resembles Cos lettuce in appearance. It has a nice flavor and may be eaten raw, or as a salad or cooked. Price: Pkt., 10c; oz., 30c; 4 oz., \$1.00.



CARROT One ounce will sow
100 feet of drill.

CULTURE—April is the time to sow for early use. Sow seed in drills twelve to fifteen inches apart, and thin out from three to four inches in drill, covering seed about one-half inch. For general crop sow in May same distance apart as above, but cover seed a little deeper as sun is stronger. Perfect specimens require a fine, pulverized, deep soil.

Carrots are not appreciated as they should be. Their table qualities are excellent, and as a food for stock they are surpassed by few root crops. They are especially valuable when fed to dairy cows, producing an increased flow of rich milk and imparting a beautiful golden yellow to the butter. We urge a more general use of the Carrot among our customers. Like other root crops, it flourishes best in a well enriched sandy soil, deeply tilled, and if plowed the Fall before so much the better.

GUERANDE, or OXHEART

THE fact that this variety grows well in shallow soil and the shape of the carrot has readily placed the Oxheart Carrot in the ranks of the leaders. The roots are broad at the top. Flesh is a bright orange, fine grain and very sweet. It is an excellent variety for the gardener, because of its thickness, which makes it a heavy producer. It is an excellent keeper and therefore appeals to all. Fine for home use and profitable for the market. **Price: Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 75c.**

EARLY HALF LONG SCARLET

VERY productive, medium early and of excellent quality. The roots are thick and range from five to six inches long, uniform in shape, stump-rooted but tapering slightly. Smooth skin and the flesh is of a deep orange red in color. Our early Half-Long is gaining in favor every year, a recognition of its many fine qualities. **Price: Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 75c; 5 lbs., \$3.50.**

DANVER'S HALF-LONG IMPROVED

FOR a general crop Danver's Half-Long Carrot stands supreme; it is by far the most profitable for the market gardener and has long been our leading variety.

It is half-long in shape, almost cylindrical, somewhat stump-rooted, and of rich, dark orange color. Flesh is sweet, crisp and tender.

The greatest of care has been exercised in the selection of nothing but the highest class roots for seed purposes. **Price: Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 75c; 5 lbs., \$3.50.**

IMPROVED RUBICAN

STUMP-ROOTED variety. It is a truly magnificent carrot of a rich orange shade and of a most excellent flavor. As a carrot of all uses, it stands alone on account of its extreme sweetness and its enormous yielding properties. In our new improved strain of Rubican we offer you seed that will surpass your highest hopes of a delicious all-around carrot. **Price: Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 75c; 5 lbs., \$3.50.**

ST. VALERY

IN our new private strain of St. Valery we offer you one of the best. In size it is large; rich, deep orange in color. **Price: Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 65c; 5 lbs., \$3.00.**

FRANKFURT

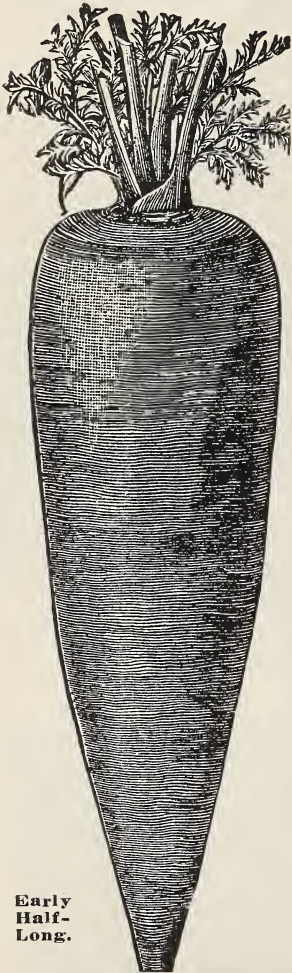
THIS is an excellent market variety, of a rich orange-red color, very smooth and handsome and producing very large crops.

It is grown largely on account of its productiveness and for its ability to adapt itself to all classes of soil.

Tops of medium size. Roots are of medium length, six to eight inches long, tapering uniformly to a blunt point. Although the roots of this variety are comparatively short they produce as large a bulk as the longer field sorts and are much easier to gather.

Years of testing and trials have made our strain of this popular variety the best that can be obtained. **Price: Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.**

Above prices postpaid.



Early Half-Long.



Danver's Half-Long Improved.

CELERY

One ounce will produce about 3,000 plants.
Price postpaid.

CULTURE—The proper time to sow is early in April, transplanting about the first of June. Set in rows 3 feet apart, and about 8 inches between plants in the row. Keep down all weeds, and as Fall approaches, draw earth up to the plants, keeping the stalks well together.

GOLDEN SELF-BLANCHING

THE heart is rich golden-yellow with light yellowish green outer-leaves. The ribs are thick and broad and the hearts large and solid.

It is the leading early variety and its superb quality, freedom from stringiness, its crispness and delightful flavor has endeared it to all who plant it.

If you want a strain from the highest type, the kind that will produce big results, you will find it here. Price: Pkt., 10c; ½ oz., 25c; oz., 40c; 4 oz., \$1.25; lb., \$4.60.

SANFORD'S EASY BLANCHING

THE stalks are of medium height and stocky in growth, and the easiness with which they are blanched and its keeping qualities has made it a universal favorite. The tender, brittle delicious flavored stalks are highly relished by all and their attractive appearance insures a good sale when offered on the market. Our seed was grown from highly selected, extra fine stock. Price: Pkt., 10c; ½ oz., 25c; oz., 40c; 4 oz., \$1.25; lb., \$4.00.

GOLDEN HEART—Fine variety of a beautiful waxy, golden yellow color, when blanched. It is a very showy and attractive variety, which is rapidly gaining more attention every year. Price: Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

WHITE PLUME—Valuable for Fall or early Winter use, very widely known for its remarkable vigor and is a truly beautiful type with stalks creamy white, crisp and delicious. Price: Pkt., 10c; oz., 30c; ¼ lb., 90c.

CURLED CELERY—This new variety is a great favorite of the gardeners for cutting and bunching. Its use for flavoring has made it very valuable and should be grown on that account. For use in soups, etc., it is unexcelled. Price: Pkt., 5c; oz., 25c; ¼ lb., 75c.



Golden Self-Blanching.

CELERIAC

(Turnip Rooted Celery)

CULTURE—Treat seeds and plants the same as recommended for celery with the exception that it is customary to set the plants in rows 1 foot apart.

GIANT PRAGUE (Turnip Rooted)—This celebrated variety is the largest, smoothest and best strain of celeriac that can be obtained. Owing to its fine flavor it should be more widely grown than it is as it is fine for flavoring soups and salads or boiled like turnips and parsnips. Price: Pkt., 5c; oz., 25c; ¼ lb., 75c.

CARDOON

LARGE SPANISH—Large, fleshy-leaved plants, chiefly used as a Winter vegetable. The blanched stalks and broad ribs of the inner leaves when properly cooked are tender and of an agreeable flavor. Price: Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

CHICORY

WITLOOF CHICORY—In order to grow good "Witloof" the seed should be sown during April in the open ground, in drills 10 or 12 inches apart, in deep, rich soil. Allow the plants to grow until November, then take up the roots and trim off the leaves up to about 1½ inches from the neck. Then plant in a trench 8 to 12 inches deep, placing the roots upright, about 1½ inches apart.

WITLOOF—Is eaten raw or as a salad and is also sometimes cooked like ordinary Endive. This is the best variety of Chicory. Price: Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

LARGE ROOTED—The finest flavored and hardest growing variety. Price: Pkt., 5c; oz., 25c; ¼ lb., 75c.



Witloof Chicory.



Corn Salad.

CORN SALAD OR FETTICUS

One ounce will sow about 100 feet of drill.

SOW the seed in early spring at the time of the first sowing of lettuce and make successful plantings as often as desired. For very early salads, sow in the fall and by protecting the plants during the winter months with leaves or straw, it can be gathered very early in the spring. If planted in April it is soon ready to use. Corn Salad is best served in mixtures with other herbs as lettuce, water-cress or white mustard.

LARGE LEAVED—The hardest, earliest and most appetizing variety grown. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

COLLARDS

A GREAT favorite in the South, where they are used extensively for "greens." Culture similar to cabbage.

GEORGIA, OR SOUTHERN—The standard variety for productiveness. Price: Pkt., 5c; oz., 15c.

SWEET CORN

By Parcel Post, see inside cover.

One lb. of seed will plant about 100 hills; 12 to 15 lbs., an acre in hills.

TO have the finest Sweet Corn it must be picked in just the right condition, that is, when the skin of the grain breaks at the slightest puncture. It will be of inferior quality if it is either a few days too old or too young. Our Sweet Corn is thoroughly tested before it leaves our hands. At the following prices on Corn—packets and quarter pounds are sent prepaid, all larger quantities are shipped at purchaser's expense.

GOLDEN BANTAM—This dwarf-growing early variety is the most deliciously flavored corn. The plants attain a height of three to four feet, bearing two or more ears, about five inches long, to a stalk. These little fat ears are so compactly filled with kernels and so sweet and delicious, so tender and milky, that it is the sweetest corn on earth. Price: Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 10 lbs., \$2.25; 25 lbs., \$4.50.

ADAM'S EXTRA EARLY—It is an excellent variety for roasting and of good quality if pulled promptly after reaching maturity. The truckers and market gardeners have found this an excellent variety for market growing. Price: Pkt., 10c; ½ lb., 15c; 1 lb., 25c; 10 lbs., \$1.75; 25 lbs., \$3.75; 100 lbs., \$8.00.

ADAM'S EARLY—Is another variety that has found great favor among the gardeners. Price: Pkt., 10c; ½ lb., 15c; 1 lb., 25c; 10 lbs., \$1.75; 25 lbs., \$3.75; 100 lbs., \$8.00.

EARLY WHITE CORY—The grain is large, broad, very white and of nice quality. The early Cory certainly is an excellent variety if you want early corn. Price: Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 10 lbs., \$2.00; 25 lbs., \$3.75; 100 lbs., \$10.00.

MAMMOTH WHITE CORY—For a first-class early producing corn, for either market or home use, our strain of Mammoth White is mighty fine. Price: Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 10 lbs., \$2.00; 25 lbs., \$3.75.

KENDALL'S EARLY GIANT—Those desiring the choicest and earliest Sweet Corn will do well to plant this variety, the growth being of a dwarf nature—4 to 5 feet high. Price: Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 10 lbs., \$2.00; 25 lbs., \$3.75; 100 lbs., \$9.00.

EARLY EVERGREEN—The stalk is very strong, sturdy and of only medium height; the leaves broad and dark green in color, a habit of growth, which gives it great endurance during a dry time. Especially adapted for early trucking; also very desirable for the home garden. Price: Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 10 lbs., \$2.00; 25 lbs., \$3.75; 100 lbs., \$9.00.

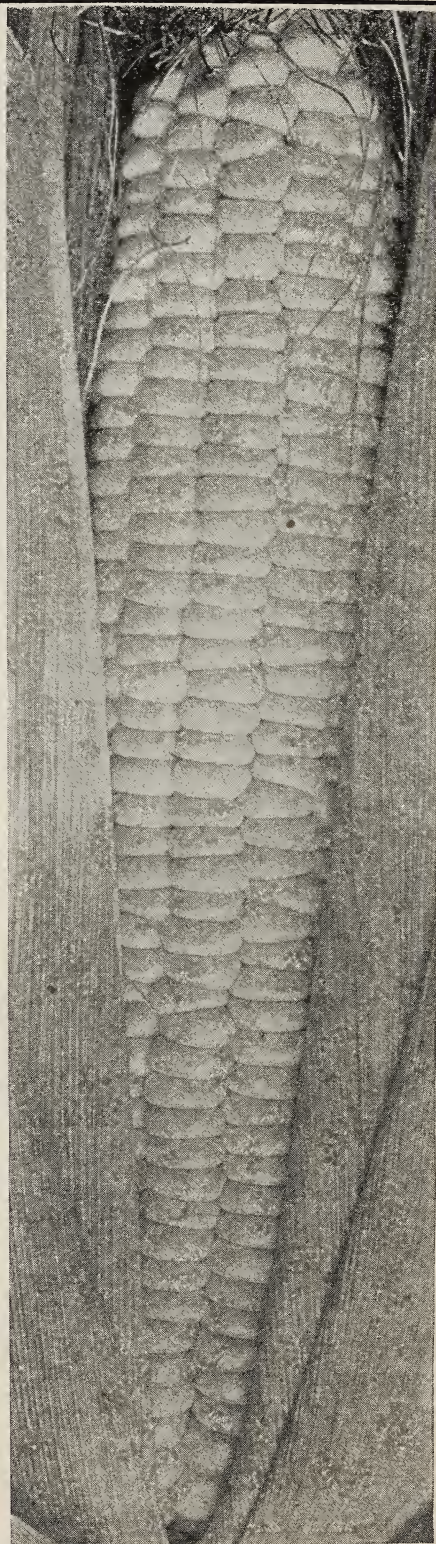
GENERAL CROP AND LATE

HOWLING MOB—The stalks are usually about 5 feet in height and produce early in the season two splendid ears to a stalk. The ears are 7 to 9 inches in length and are well covered with a heavy husk. Price: Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 10 lbs., \$2.00; 25 lbs., \$3.75; 100 lbs., \$9.50.

COUNTRY GENTLEMAN—One of the richest flavored of all the late varieties. As a table Corn this variety stands unrivaled, and without doubt is the most luscious of all varieties of Sweet Corn. The plump, pearly-white kernels are of great depth, and most delicious. Price: Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 10 lbs., \$2.00; 25 lbs., \$3.75; 100 lbs., \$10.50.

STOWELL'S EVERGREEN—Too well known to need any introduction. The Stowell's Evergreen is hard to beat and for a long time to come many will have it in preference to any other sort. This Corn is distinguished by the large ear, the long, deep kernels, its rich, sugary flavor and its long-keeping qualities. Our seed has been selected for its sweetness, productivity and large size. Price: Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 10 lbs., \$2.00; 25 lbs., \$3.75; 100 lbs., \$9.00.

WHITE EVERGREEN—Stalks very vigorous, 6 to 7 feet high. The ears are uniformly very large and well-filled. When in the green state both cob and kernel are white as snow. Price: Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 10 lbs., \$2.00; 25 lbs., \$3.75.



Stowell's Evergreen.

CRESS

THE refreshing piquancy of the leaves of Cress has caused it to be greatly used as an appetizing salad, or for garnishing various dishes. One ounce of cress will sow two hundred feet of row.

FINE CURLED (PEPPER GRASS)—Its rapid growth has aided a great demand for this variety of Cress. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c.

WATER CRESS—A very hardy plant which can be grown easily in a shallow pond of fresh water or along the edges of shallow running streams. Seed may be started readily in pans or boxes of very moist earth, and when the young plants are well started, they can be transplanted to the stream or pond. Price: Pkt., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.75.



Extra Long White Spine or Evergreen.

ENDIVE

One ounce of seed to 300 feet of row.

ENDIVE is one of the best and most wholesome salads for fall and winter use. Sow in shallow drills in April for early use, or for late use in June or July. When nearly full grown, and before they are fit for the table, they must be bleached.

GREEN CURLED—Ornamental curled leaves of dark green color. Blanches white and crisp. This is the standard variety and most widely planted. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

WHITE CURLED—Leaves are not as tender as the green curled, but it is self-blanching and very attractive. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

BROAD-LEAVED or ESCAROLLE—Broad, thick ribs, with slightly wrinkled leaves. This is the best broad-leaved variety. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

CUCUMBER One ounce will plant about 50 hills.

CULTURE—The first planting should be made in May in hotbeds; inverted sods form an excellent medium for both planting on and carrying the young plants to their permanent location, or small paper pots can be used. Such plantings are usually ready for transplanting to the open ground in from three to four weeks.

EARLY WHITE SPINE—This truly is the peerless cucumber and for slicing it has no equal. Our select strain of this variety is unsurpassed for the table or market. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

ST. L. S. CO.'S IMPROVED GREEN HYBRID—In our "Improved Green Hybrid" we offer the perfect cucumber, an extra early species of a most remarkable quality as well as appearance. For slicing it is superb, and its symmetrical fruits are uniformly large. The flesh is very solid, fine grained. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 90c.

ARLINGTON IMPROVED WHITE SPINE—A fine variety for either forcing or out-of-doors planting. A good seller on the market and the most profitable cucumber to grow for shipping. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

EXTRA LONG WHITE SPINE OR EVERGREEN—Extra early, of a dark green color and very prolific. Fruits range from eight to ten inches in length and the absence of seeds is noticeable. A grand variety. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

LONDON LONG GREEN—The standard of all long green varieties. Almost as early as the shorter varieties, but its great size makes up for the difference. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50.

JAPANESE CLIMBING—Here is a variety that won't take up so much space in your garden as it easily trails up poles or trellises. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., \$1.00.

JERSEY PICKLE—The happy medium between the short and long green cucumbers. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

EARLY GREEN CLUSTER—A short pale-green variety, maturing early. The favorite for pickling. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

GHERKIN OR BURR—Makes excellent pickles and is quite a novelty. Price: Pkt., 10c; oz., 15c; ¼ lb., 50c.



Green Curled Endive.

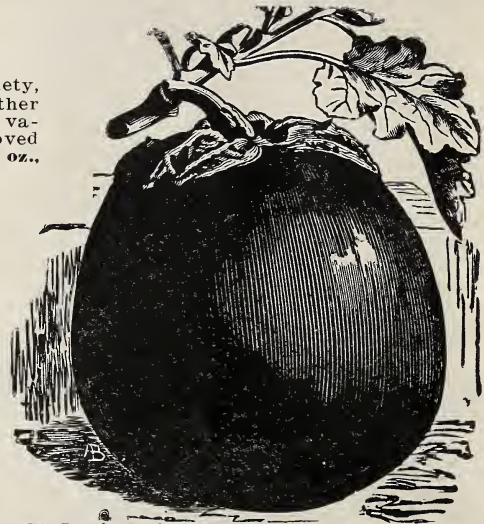
EGG PLANT (Eierpflanze)

One ounce will produce about 1,000 plants.

ST. L. S. CO.'S IMPROVED OVAL SPINELESS—This new variety, our own production, has proven itself superior to any other strain, being very early. Hardy and productive, it is an ideal variety and gardeners can make more money from this improved and selected strain than from any other. **Price: Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.50.**

BLACK BEAUTY—This distinct new variety is indeed a beauty. It is very attractive in appearance and of excellent flavor. **Price: Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.50.**

EARLY LONG PURPLE—An early, hardier variety; club-shaped, dark purple fruit, six to eight inches long, preferred by some for slicing; flesh firm. **Price: Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.50.**



St. Louis S. Co.'s Improved Oval Spineless.

KALE

Sow four pounds to the acre! one ounce will sow 150 feet of drill.

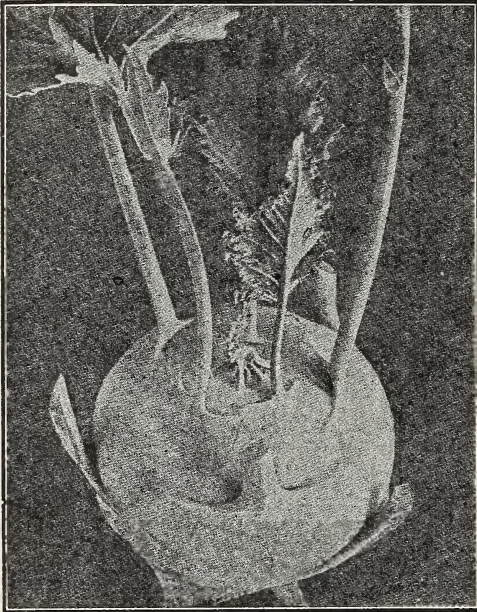
CULTURE—For Spring use sow in September and protect during Winter with covering of straw. For Fall use sow in May or June, cover seed one-half inch deep.

DWARF GERMAN FOR SPRING—An improved selection of the ordinary Dwarf German Greens. A superior variety for market culture. It has no equal. **Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.25.**

DWARF GERMAN GREEN HOME GROWN (for Fall)—Largely grown for supplying "greens" during the Fall, Winter and Spring. The plants are hardy; frost improves the quality. The leaves are very large, deeply curled and fringed, and of that desirable rich bright green color. **Price, Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.25.**

DOUBLE CURLED SCOTCH—Desirable for Winter and Spring greens. Leaves are curly like Parsley, tender and of very fine flavor. It is improved by frost. **Price: Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.**

TALL SCOTCH—This variety makes beautiful plants, two feet or more in height. Leaves are finely curled and very tender. **Price: Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.**



Kohl-Rabi.

KOHL-RABI

One ounce will sow about 200 feet of drill.

CULTURE—This is a very delicious vegetable, and is increasing in popularity rapidly; combines the good qualities of the turnip and cabbage but excels both in qualities and productive qualities. Sow in Spring in rows 14 inches apart, and thin away the plants to 8 inches.

EARLIEST WHITE ERFURT—An excellent variety for forcing. It will also do well in the open ground. **Price: Pkt., 10c; oz., 25c; ¼ lb., 90c.**

EARLY WHITE VIENNA—Flesh white and tender; a standard sort for market and table use. Good for forcing. This variety has a very short top and forms the ball quickly, thus making it a particularly desirable sort on account of its earliness. **Price: Pkt., 10c; oz., 25c; ¼ lb., 90c; 1 lb., \$3.00.**

EARLY PURPLE VIENNA—Differs from the early White Vienna in color only. **Price: Pkt., 10c; oz., 25c; ¼ lb., 90c.**

LEEK

LEEK is a mild onion-flavored plant, prized as being the ideal for soup, etc. Transplant in rows 1 foot apart and 6 inches apart in the row.

LONDON FLAG—The earliest, largest and most uniform of all. **Price: Pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., \$2.00.**

LARGE ROUEN—A large, thick, short-stemmed variety. **Price: Pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., \$2.00.**

Above prices postpaid.



Dwarf German Green.



ST. L. S. CO.'S BIG MARKET GARDENER LETTUCE

A Grand, Large Cabbage Lettuce—for Either Early Spring or Fall

THIS is the most extensively grown Lettuce in the country either for market or private tables. For a time-tried and true Lettuce you will find the Market Gardener the finest lettuce that can be planted and when you consider its many fine qualities, you will then realize that anything said about this variety is far from exaggeration; in fact, our strain of Market Gardener cannot be fully described as it is the one perfect Lettuce and if you grow it you will learn for yourself.

Whether grown in the open ground for early Spring or Fall use, or in frames for Spring, it invariably gives both the grower and user the utmost satisfaction, producing under ordinarily favorable conditions, splendid buttery-yellow heads, packed with thoroughly blanched leaves, crisp, tender, sweet, white and of the most exquisite flavor. Its handsome appearance, with large outside leaves and its long-standing qualities without running to seed have made it the universal favorite.

The best test is to visit some of the large growers in this vicinity and see the large areas of it, may be seen as late as November 15th; a slight covering of salt hay amply protects the plants from hard frosts, and when cut for market the leaves are fresh and bright. Thousands of acres of our Market Gardener are grown during the Winter in Florida and other Southern states for shipping to Northern markets. We know of no other variety that gives such general satisfaction and for those who have a desire to grow a superior Lettuce, they cannot grow anything better. Years of testing and care have assisted in producing this remarkable Lettuce and it will pay you to take advantage of this and plant this Superior strain. **Price:** Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50; 5 lbs., \$6.50.

EARLY CURLED VARIETIES

CULTURE—Lettuce seed should be sown very early in the Spring and at intervals of 15 days for a succession; sow the seed in shallow drills—being careful to firm the soil well over the seed and thin to 4 inches apart in row. Two ounces of seed will sow 150 feet of rows, 4 to 5 pounds seed required per acre.

EARLY CURLED SIMPSON—The standard cutting or loose-headed variety. Earlier than the heading sorts. **Price:** Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

BLACK SEEDED SIMPSON—Larger and lighter in color than Early Curled Simpson. **Price:** Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

GRAND RAPIDS—Especially adapted for early family use. A loose-headed Lettuce of pleasing appearance and remarkable table merit. **Price:** Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.

PRIZE HEAD—As its name implies, forms a very large, loose head, slightly tinged with brown. **Price:** Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

Above prices postpaid.

LETTUCE Continued **Outdoor Growing**
for General Crop

ST. L. S. CO.'S BLACK SEEDED FORCING—The favorite of gardeners who grow for the St. Louis market, where there is always a big demand for this popular variety. Heads are of a medium size, well formed and compact, of excellent quality and fine appearance. For a fine, delicious, early tender Lettuce plant our Black Seeded Forcing. Price: Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.

ST. L. S. CO.'S BIG BOSTON—This grand variety has proved to be most valuable and is now being more extensively grown for market and private use than any lettuce. Whether it is grown in the open ground for Summer and Fall use, or in frames for Spring, it still produces the splendid, large, buttery-yellow heads, packed with thoroughly blanched leaves, crisp, tender. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; 5 lbs., \$6.00.

ST. L. S. CO.'S IMP. BUTTER—This is one of the finest, the most brittle as well as the crispest lettuce. This delicious variety is of the cabbage type. Every plant is uniformly perfect, nearly all head and with but few outside leaves. Price: Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.

WHITE BIG BOSTON—This excellent variety is noted for its extra large and firm heads, and thin leaves of the finest quality. The interior is most beautifully blanched, creamy-white, crisp, tender and delicious and absolutely free from the bitterness prevalent in some lettuce. It is a very large, robust-growing variety, and a sure header; does well during the cool Fall and Spring months. Heads of a pleasing light-green color, firm and of superior quality. When grown in cold-frames the heads are not as tight as when grown outside. One of the best market varieties we know. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; 5 lbs., \$6.00.

N. Y. WONDERFUL, or LOS ANGELES—This splendid mammoth heading and long-keeping variety has been grown to weigh 3 pounds to the head. Heart is solid, of light green color, very sweet, tender and crisp. Long-standing. Perfect heads and a good shipper. Price: Pkt., 10c; oz., 20c; ¼ lb., 65c; 1 lb., \$2.00.

ICEBERG—This is a cabbage heading variety, crisp and tender. Large, extremely hard and well balanced heads. Leaves are slightly blistered, crumpled and twisted. Color, light green. Price: Pkt., 10c; oz., 20c; ¼ lb., 65c; 1 lb., \$2.00.

Above prices postpaid.



Iceberg Lettuce.

MAMMOTH BLACK SEEDED BUTTER—A fine variety for outdoor planting or for cold frames, either for market or home use. It produces extra large heads, very compact, of a fine flavor. Price: Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50; 5 lbs., \$6.50.

ST. LOUIS MARKET—A great favorite among the gardeners where its many good qualities insure for it a big market demand, with a good price for same. Its large heads of crisp, buttery flavor have made this variety the most popular market variety and you can be sure of a big crop of lettuce if you plant our strain of St. Louis Market. For the Summer home garden. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; 5 lbs., \$6.00.

HANSON—In every respect an ideal lettuce. It never fails to make large handsome heads. Price: Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.

TRIANON COS (Romanine)—A distinct variety, tall, self-bleaching. Price: Pkt., 5c; oz., 15c; ¼ lb., 50c.

HARDY GREEN WINTER—Very popular. Price: Pkt., 5c; oz., 15c; ¼ lb., 50c.

BROWN DUTCH WINTER—The standard Winter sort. Of delicious flavor. Price: Pkt., 5c; oz., 15c; ¼ lb., 50c.

MUSTARD

(By Parcel Post, See Inside over.)

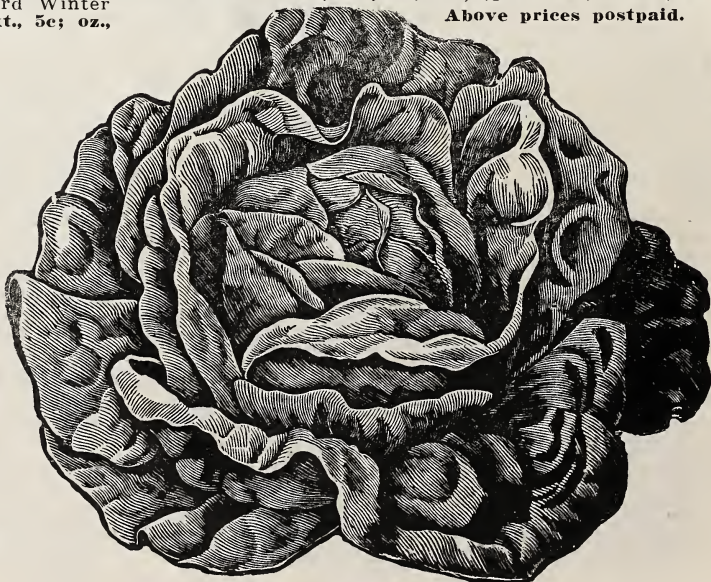
(One ounce will sow 40 feet of drill)

MUSTARD should be sown in every garden. As a money-maker it attains a high rank, always being in great demand by hotels; for greens, salads, etc., it is unsurpassed.

CHINESE CURLED—When cooked like spinach the broad leaves of this variety are delicious. They are often more than a foot in length and crimped much like the Savoy Cabbage. Price: Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c; 5 lbs., \$2.00.

GIANT SOUTHERN CURLED—A favorite in the South, growing very large with a beautiful curled leaf. It is very tender and of especially good flavor; also desirable for garnishing. Price: Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c; 5 lbs., \$2.00.

WHITE OR YELLOW LONDON—Seeds are used for pickling and the leaves are relished by many people. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c.



St. Louis Market.

MUSKMELON

One ounce will plant about 50 hills; 2 to 3 pounds in hills per acre.

(Seed by Parcel Post, See Inside Cover.)

CULTIVATE in hills, which should be 5 to 6 feet apart each way, and composed of light, moderately rich soil. The hills should be dug about 2 feet square, 18 inches deep, and half-filled with well-rotted manure, which must be thoroughly incorporated with the soil. Plant in May, ten seeds to the hill, and when the plants are well up, thin out to three. Cultivate until the vines cover the ground and pinch the ends of the growing shoots to induce early fruiting.

ROCKY FORD PINK MEAT

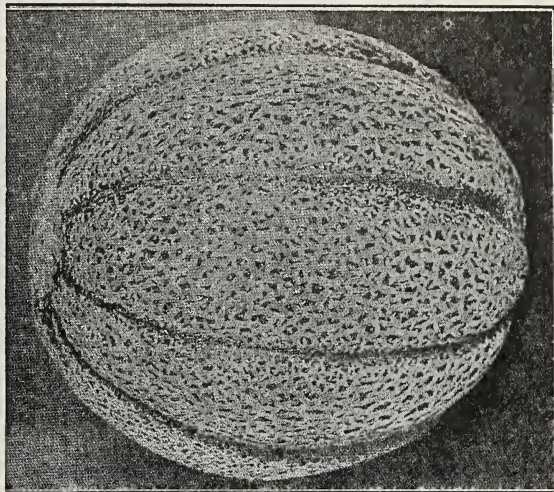
THIS muskmelon is considered the best of the salmon fleshed Rocky Fords. Is the most reliable and best cropper, thriving on most any soil, and has proven the best all round melon. The fruits are of great uniformity in size and shape, with well developed gray netting, closely laced and covering the entire surface. The rich salmon flesh is very deep, solid, of a luscious, sweet flavor and ripens clear to the rind.

Its shipping qualities are excellent, quality all that can be desired, and we believe is destined to become popular. Price: Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., 90c.

ST. L. S. CO'S EDEN GEM—This famous variety is the finest early green-fleshed of all the Rocky Ford type Melon in cultivation. The fruits are remarkably uniform in size, weighing from one and a quarter to one and a half pounds each. They are quite thick meated, with very thin rinds; skin light green, regularly ribbed and heavily netted, turning to a golden yellow as the Melon ripens. Flesh light green in color, firm but melting, of uniformly fine flavor. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

ST. LOUIS MARKET—By far the sweetest and most luscious, richly flavored melon ever grown. Flesh is green and delicious, rind is green and solid, with a rich aromatic flavor that is simply indescribable. Price: Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., 90c; 5 lbs., \$4.00.

BURREL GEM—The flesh is of the most handsome salmon color, the skin of a beautiful netted dark green; it is shallow ribbed and shaped similar to the Rocky Ford, only larger. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c.



Colorado Queen.

OSAGE—Dark green skin of a peculiar netting. Salmon flesh, very delicious. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

HONEY DEW—Melons are a little different from both Muskmelons and Watermelons. The skin is smooth and hard, flesh extremely tender, rich, sweet and juicy. Price: Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

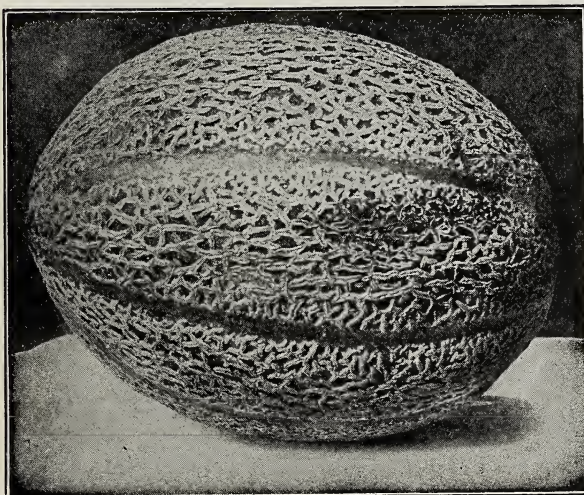
COLORADO QUEEN—We pronounce this the best green-fleshed melon for shipping long distances offered to date. It is as early as the Rocky Ford, with deep flesh. The illustration shows the shape. It will hold up longer before getting soft and turning yellow than any variety we know of. The netting is heavy, slightly covering the ribs. It averages a trifle larger than Burrel Gem. Price: Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., 90c; 5 lbs., \$4.00.

ROCKY FORD OR NETTED GEM—The Melon that made Rocky Ford famous. The favorite green-fleshed shipping variety. Known well and favorably wherever Melons are grown; more largely planted and shipped in larger quantities than any other sort. Flesh green, very thick, sweet and juicy. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c; 5 lbs., \$3.50.

EXTRA EARLY HACKENSACK—This early green fleshed variety is popular in many sections as a market melon and is also extensively used as a home garden sort. The fruits are nearly two weeks earlier than Hackensack, medium to large sized, nearly round or somewhat flattened, evenly and deeply ribbed and with very coarse netting. The skin is green, slightly tinged with yellow as the fruits mature. The flesh is green, a little coarse but juicy and sweet. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

EMERALD GEM—It is of a rich delicious flavor and fine quality. Very early and prolific; skin is striped deep emerald green with a few light colored stripes. Flesh is very thick and salmon color. Exceedingly popular variety for market gardener or home use. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

BANANA—Very long Cucumber-shaped; delicious odor; late. Price: Pkt., 10c; oz., 15c; ¼ lb., 50c.



Rocky Ford.

WATERMELON One ounce will plant about 50 hills

CULTURE—Treat the same as muskmelon, except that they should be planted 8 to 10 feet apart, according to variety. (By Parcel Post, See Inside Cover.)



Tom Watson.

McIVER'S WONDERFUL SUGAR—This celebrated melon is claimed by many to be the sweetest of all varieties. Crisp, free from any strings. Solid meat. **Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c.**

CITRON—The fruits are medium sized, uniformly round and are used exclusively for preserves or pickles. The color is dark green, distinctly striped and marbled with light green. The flesh is white and solid, but is not at all suitable for eating raw. Seed red. **Price: Pkt., 5c; oz., 10c; ¼ lb., 25c.**

FLORIDA FAVORITE—Shape oblong, with light and dark green skin; flesh is bright crimson and deliciously sweet. We offer only a select stock of this famous melon. **Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c.**

FORDHOOK EARLY—A most delicious and productive variety for the family garden, succeeding in northern states, where melons were never matured before. The flesh is of a beautiful bright red color. **Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c.**

KLECKLY SWEETS (Monte Cristo)—Is especially recommended for its fine flavor—in this respect surpassing most all others. **Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c.**

TOM WATSON—A large, long melon similar in shape, color and splendid quality to Monte Cristo, but averaging larger in size and with a tougher rind, making it especially adapted for shipping to distant markets. The vines are vigorous and productive. The flesh is rich red, sweet and tender. Seed white, more or less marked with brown. Wherever grown in the South it has become very popular as a shipping sort. **Price: Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c; 5 lbs., \$3.50.**

ST. L. S. CO.'S SWEETHEART—Almost globular, but a little longer than thick. Skin is a beautiful light, bright mottled green, thin, but very tough rind. **Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c.**

GEORGIA RATTLESNAKE—One of the largest varieties, and stands shipping long distances. Fruits of good size, oblong in form, distinctly striped and mottled; flesh bright scarlet and of excellent quality. **Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c.**

IRISH GREY—The vine is very vigorous and holds up well, producing fruit until late summer. The rind is greenish grey in color, thin but very tough. Flesh is beautiful red and free from stringiness. Shape and size similar to Tom Watson. Well adapted for either market or home use. **Price: Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.00.**

MUSHROOM CULTURE

Mushroom Culture Leaflet Mailed Free. Ask for it when you order your Spawn.

MUSHROOMS may be grown in a great number of places such as a dark room, cellar, stable and many other places. In fact, any place in which an even temperature of about 50 to 60 degrees may be kept, is suitable. The growing of Mushrooms is one of the most profitable for the person who has the space, and the big demand for Mushrooms all over the country has increased greatly and this delicacy finds a ready market. Enormous quantities of Mushrooms are used by hotels, restaurants and even private families and the easiness with which they are grown ought to find a bigger supply.

The making of the Mushroom bed has puzzled many and for that reason we have prepared a special Cultural Circular on Growing Mushrooms. We will gladly send this circular free to anyone interested and it will also be included with your order for spawn if you mention it on your order. This leaflet will help you to solve many of the difficulties which confront the beginner.

LAMBERT'S PURE CULTURE SPAWN

WE ALWAYS have a fine, fresh supply of "Pure Culture" Spawn on hand and you can depend on getting the kind of spawn that will produce large mushrooms. There has been such a great demand for this spawn that we were unable to obtain any, but the manufacturers are again making regular shipments and our many growers can expect their usual supply of Spawn of the highest quality.

This Spawn comes in bricks weighing about 18 to 20 ounces. A brick is sufficient to spawn ten square feet of bed. Be sure to mention the cultural leaflet when you order your spawn. **Price: Per brick, 25c; 5 bricks, \$1.00.** If wanted by parcel post add 5 cents a brick for postage.

Read These Books on Mushrooms

MUSHROOM CULTURE—By Robinson. The best English book, cloth bound. **Price: \$1.00 postpaid.**

MUSHROOMS—By W. Falconer. The best American book, cloth bound. **Price: \$1.50, postpaid.**



**Cabbage
Worms**

SLUG SHOT

used freely will control these pests. Safe, cheap and efficient. What more can be desired. See page 86.

ONION

An ounce will sow 100 feet of drill. Four to five pounds to the acre for Large Onions.

CULTURE—Sow in rich, sandy soil, in drills 1 foot apart, as early as possible in the Spring, cover with fine soil; when plants are strong enough, thin out to 3 or 4 inches. Have ground thoroughly cultivated, free from weeds and well fertilized.

EARLY RED TRIPOLI—A grand early red variety. Price: Pkt., 10c; oz., 20c; ¼ lb., 65c; 1 lb., \$1.75.

LARGE RED WETHERSFIELD—Undoubtedly the most popular Onion ever grown. The standard of all red varieties. Skin is deep purple red, flesh purplish white. (See cut.) Price: Pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.75; 5 lbs., \$7.50.

LARGE RED GLOBE—This celebrated variety differs from the Wethersfield in being almost a perfect globe and matures later, and by its handsome appearance on the market sells better. An excellent keeper. Price: Pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.75; 5 lbs., \$7.50.

YELLOW GLOBE DANVERS—A very handsome round or globe shape variety of large size, with thin, yellow skin. Price: Pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.60.

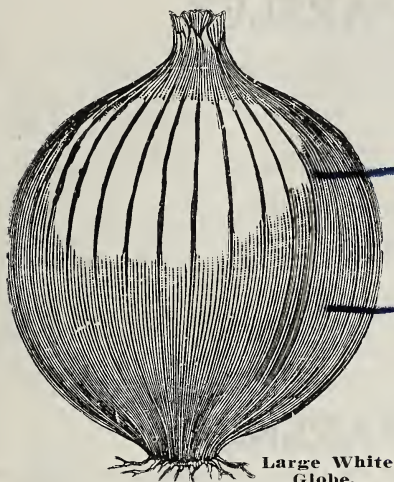
PHILADELPHIA SILVERSKIN—One of the leading white sorts, beautiful shape and mild flavor. It is largely used for growing sets on account of its fine shape when small. Price: Pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.60; 5 lbs., \$7.00.

LARGE WHITE GLOBE—This celebrated Onion in appearance and quality is one of the finest in cultivation. Perfectly globe-shaped, with pure white skin; fine grained and of excellent flavor. A good keeper. Price: Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.25; 5 lbs., \$10.00.

GIANT YELLOW PRIZE TAKER—Our new Giant Yellow Prize Taker cannot be recommended too highly. There is a limit to the good qualities of other Onions. The king of all main crop varieties. Price: Pkt., 10c; oz., 20c; ¼ lb., 65c; 1 lb., \$1.60; 5 lbs., \$7.50.

MAMMOTH SILVER KING (White Garanus)—One of the greatest, grandest and most delicious Onions ever offered. Grows very large, early; flat, but thick though; tender and of very mild sweet flavor; uniform in size and shape. Price: Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.75.

Above prices postpaid.



Large White Globe.

ONION SETS

(By Parcel Post, add 5c a quarter postage. Prices subject to change.)

THE advisability of planting onion sets is recognized everywhere and if you want fine young green onions in short time.

WHITE ONION SETS—For setting in early Spring to produce the first early white Onions. We have a select grade of these sets. Price: Qt., 25c; gal., 75c; bu. (32 lbs.), \$3.50.

YELLOW ONION SETS—These, like the white and red, are for early setting in Spring. Fine for raising early big onions. Price: Qt., 25c; gal., 75c; bu. (32 lbs.), \$3.00.

RED ONION SETS—Very widely used for setting in early Spring to produce green onions for the table, and also for large onions. Price: Qt., 25c; gal., 75c; bu. (32 lbs.), \$3.00.



OKRA, or GUMBO

Sow seed thinly in drills one inch deep and three feet apart. When well up thin out the plants to one foot apart. Gather the pods when young. Very delicious and appetizing.

WHITE VELVET—Beautiful, smooth velvety white pods, produced in the greatest abundance. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

FERKINS MAMMOTH LONG POD—In productiveness this Okra is simply wonderful. Pods of an intense green color, are of an unusual length and do not get hard. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

DWARF GREEN—The standard dwarf, short green-pod variety. Very productive. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.



Dwarf Green Okra.



Double Curled Parsley.

PEPPER

One ounce will produce about 2,000 plants.

CULTURE—Sow in hot-bed in March or April; transplant in open ground when all danger from frost is over, in rows three feet apart and two feet apart in row. For prices on pepper plants, see page 30.

PIMENTO—This very popular variety used extensively by the Spanish people in their Pimento salads. It is a thick meated variety of mild flavor, being brilliant red in flesh, and very productive. Price: Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.50.

CRIMSON KING—The fruit is not quite as large as Chinese Giant; in shape not quite so blocky. (See illustration.) In weight is much heavier than any other variety of the same size. In flavor it is the mildest we have ever known, as the flesh may be eaten raw from the hand. Price: Pkt., 10c; ½ oz., 25c; 1 oz., 40c; ¼ lb., \$1.50.

CHINESE GIANT—The compact plants are very prolific, setting 3 to 4 extra large fruits at the base quite early in the season, which ripen while a second crop is setting on the branches. The fruit is quite square in appearance, while the flesh is thick and very mild, being entirely free from any fiery flavor. Price: Pkt., 10c; ½ oz., 25c; 1 oz., 40c; ¼ lb., \$1.50.

RUBY KING—One of the standard Peppers, very large and of mild flavor. Bright ruby red color. Price: Pkt., 10c; ½ oz., 20c; 1 oz., 35c; ¼ lb., \$1.25.

BELL, OR BULL NOSE—Early and of mild flavor. A favorite for pickling. Large, bright red, thick flesh. Price: Pkt., 10c; ½ oz., 20c; 1 oz., 35c; ¼ lb., \$1.25.

SWEET MOUNTAIN—Larger in size and milder in flavor than Bell, or Bull Nose. Very productive. Price: Pkt., 10c; ½ oz., 20c; 1 oz., 35c; ¼ lb., \$1.25.

LONG RED CAYENNE—Of dwarf growth, bearing long, pungent pods. Very productive. An ideal home variety. Price: Pkt., 10c; ½ oz., 20c; 1 oz., 35c; ¼ lb., \$1.25.

RED CHILI—Smaller and later than Cayenne. Extensively used for pepper sauce. Price: Pkt., 10c; ½ oz., 25c; 1 oz., 40c.

RED CHERRY—The finest of the small, round varieties. Excellent for pickles, sauce, etc. Price: Pkt., 10c; ½ oz., 25c; 1 oz., 40c.

TOBASCO—This variety is used in manufacturing the well-known Tobasco Sauce. Price: Pkt., 10c; ½ oz., 25c; 1 oz., 40c.

Above prices postpaid.

PARSLEY

(By Parcel Post, See Inside Front Cover.)

One ounce will sow 100 feet of drill.

CULTURE—Make the rows 12 to 14 inches apart. Thin to 3 or 4 inches apart, or transplant at this distance. Can be sown in hot-beds in February, or later in open ground. Late in Autumn place frames over some of the plants to lengthen out the season for cutting.

DOUBLE CURLED—Very robust, free growth. Leaves are large, very dark green and beautifully curled; exceedingly large yields. Stands heat and cold better than most varieties. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

HAMBURG, OR ROOTED—A rooted variety, of which the roots are the portion used; good in flavoring soups and stews. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

PLAIN LEAF—Leaves are longer and darker green than the curled varieties; very hardy. Excellent for seasoning. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

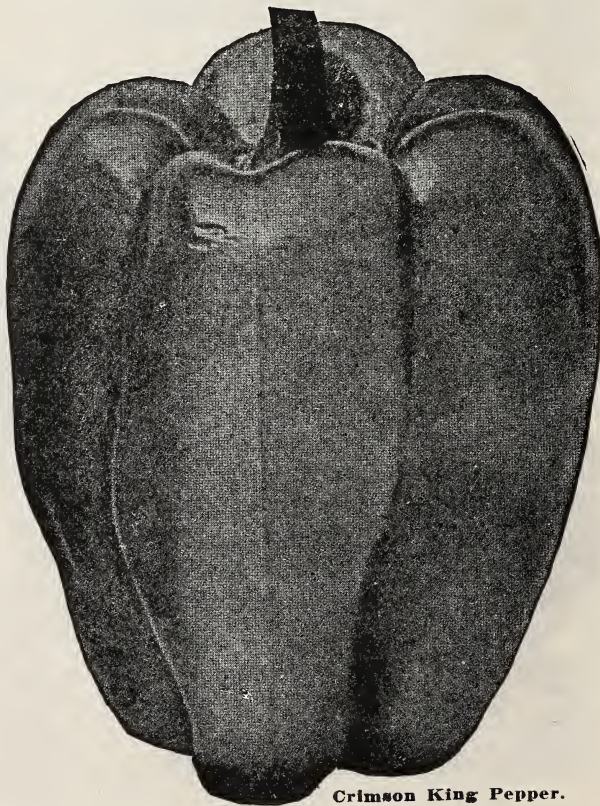
PARSNIP

One oz. of seed for 200 ft. of row; 5 lbs. seed required for an acre.

CULTURE—Work the soil very deep and pulverize the surface thoroughly. Sow the seed in early Spring, ¾ of an inch deep, in rows 12 to 18 inches apart.

As soon as the young plants appear, cultivate and hand weed them, and when 3 inches high thin to 6 inches apart in the row.

HOLLOW CROWN (Large Sugar)—The best and most widely cultivated variety. Grows long, smooth, tender and is very sugary. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.00; 5 lbs., \$4.50.



Crimson King Pepper.

ST. LOUIS SEED COMPANY—"Pure and Sure" Seeds

PEAS

(Peas by Parcel Post. See Inside Front Cover.)

CULTURE—Plant early, smooth varieties as soon as frost is out of the ground; follow with the early wrinkled sorts in a week or 10 days and make successive plantings every 10 days until middle of June. Plant 2 to 3 inches deep, in rows 24 inches apart, if cultivated by hand; if by horsepower, rows should be 3 feet apart. Dwarf varieties require no sticks, tall varieties do better staked. Use 1 lb. to 50 feet of drill, 2 to 3 bushels per acre.

EXTRA EARLY VARIETIES

ST. L. S. CO.'S IMPROVED EXTRA EARLY—Superior to all rivals. Very prolific, bushes becoming loaded with large, smooth green peas of beautiful texture. Matures in from 40 to 45 days after germination, very uniformly. Price: Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 10 lbs., \$2.00; 30 lbs., \$4.50.

ALASKA—One of the earliest smooth varieties. Pods are a dark green color, extra well filled and ripen very uniformly. Height about 2 feet. Price: Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 10 lbs., \$2.00; 30 lbs., \$4.50.

FIRST OF ALL, or ECLIPSE—Pods grow large and solid and contain from one to two more Peas to a pod than any other variety. Vines average a height of about 24 to 26 inches, and produce pods in abundance. Price: Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 10 lbs., \$2.00; 30 lbs., \$5.40.

GRADUS, or PROSPERITY—The earliest of all the wrinkled Peas. Produces large green pods 4 to 6 inches long. The vines are two feet high, pale green in color; the pods are borne singly and freely from top to bottom of the vine, contain from six to ten Peas of luscious quality. Price: Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 10 lbs., \$2.00; 30 lbs., \$5.50.



St. L. S. Co.'s Impr. Extra Early.

SECOND EARLY AND MAIN VARIETIES

AMERICAN WONDER—The old popular favorite among all who grow Peas and year after year has seen greater plantings of this meritorious Pea, and especially of our improved strain. In our American Wonder you have all the fine qualities that could be desired for the small dwarf-like bushes are so heavily laden with beans of the finest quality, that for home use it is unequalled. Bushes grow to height of about 15 inches and peas are of that well-liked dark green color. Price: Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 10 lbs., \$2.00; 30 lbs., \$5.40.

ST. L. S. CO.'S SUTTONS EXCELSIOR—This Pea is the leader of the main-crop varieties, of vigorous constitution which shows itself in the strong, handsome plant, about 18 inches high. The excellent quality of the peas, large size of the pods, heavy yielding properties and hardiness have made it a great favorite among the gardeners. Peas are of dark green color, stout and heavy, and contain from 7 to 9 Peas of the most exquisite quality. Price: Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 10 lbs., \$2.00; 30 lbs., \$5.40.

LAXTONIAN—These Peas possess the admirable merit of preserving their tenderness and luscious flavor long after they are young and what is still more, they retain their attractive dark green color when served. For an unexcelled strain of this famous variety, it will pay you to get your seed from us. Price: Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 10 lbs., \$2.00; 30 lbs., \$5.50.

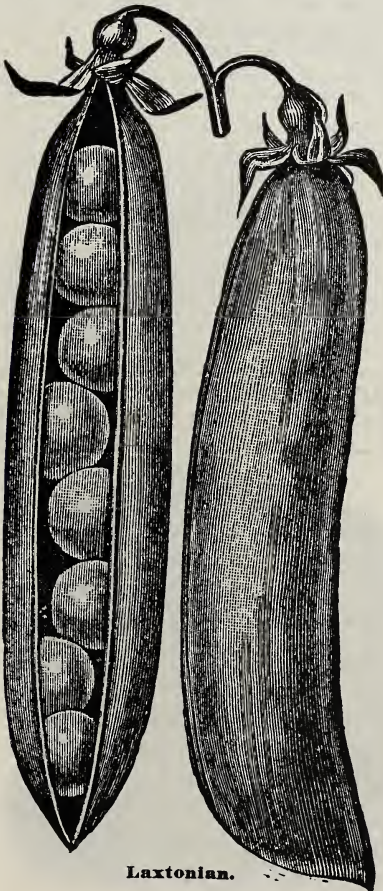
NOTTS EXCELSIOR—The best very early, dwarf pea. It combines the good qualities of American Wonder and Premium Gem peas. The vines are larger and more productive than American Wonder. The pods are medium sized, about two and three-fourths inches long. The peas, in sweetness and quality, are unsurpassed. Seed medium sized, wrinkled, green and somewhat flattened. A most desirable early sort for the market gardener and unsurpassed for the home garden. Price: Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 10 lbs., \$2.00; 30 lbs., \$5.40.

TELEGRAPH—Peas are very large and of dark green color; seed almost smooth. Vines are tall, about four to four and one-half feet. Pods are exceedingly large, about four and one-half inches long. This is a splendid garden variety and the gardener who plants this variety is sure of a profitable crop. Price: Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 10 lbs., \$2.00; 30 lbs., \$5.40.

PEAS, EDIBLE POD

EDIBLE POD TALL MELTING SUGAR—A foreign pea, little known in this country. A wonderfully productive sort. Price: Pkt., 10c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 40c; 10 lbs., \$2.50.

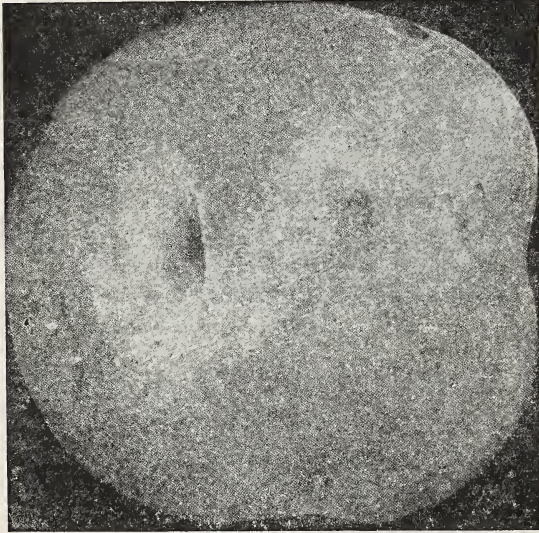
EDIBLE POD DWARF GREY SUGAR—Of a dwarf growth, a fine edible pod when young. Price: Pkt., 10c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 40c; 10 lbs., \$2.50.



Laxtonian.

NORTHERN GROWN SEED POTATOES

CULTURE—Any good well-drained fibrous loam will produce Potatoes under right climatic conditions. For early Potatoes, which mature in 8 to 10 weeks from planting, the soil must be particularly rich. A rich clover sod, manured and broken the year before and planted to corn, beans, peas, etc., is in best shape for giving a good yield of nice, clean Potatoes. Stable manure had better be applied to the land the year before, while some good complete fertilizer, at the rate of up to 1,000 pounds per acre if applied broadcast, or 400 to 600 pounds if applied mostly in the rows, may be used directly for the Potato crop. Open furrows 3 feet apart and 3 to 4 inches deep. Then plant good-sized pieces, each containing not less than 2 or 3 eyes, 15 inches apart in the furrows for early Potatoes, and 18 inches apart for late ones. In some of the large Potato sections the Potatoes are always planted in check rows 3 feet apart each way. Cover with covered, small plow or other suitable tool. Cultivate often. Spray with Arsenate of Lead Mixture as a protection from flea beetle, potato beetle and blight. **8 to 10 bushels will plant an acre.**



CARMAN

ONE of the most popular of the Carman group of potatoes. A white, flat variety, which sets its tubers very close to the top of the soil, thus giving good yields in clay soil where other varieties fail. This characteristic applies also to Rural New Yorker. Our seed has been very carefully selected and given the best soil for a number of years. **Price: 10 lbs., 65c; 30 lbs., \$1.40; 60 lbs., \$2.40.**

PUMPKINS

(By Parcel Post, See Inside Front Cover.)
One ounce will plant 50 hills.

CULTURE—Plant in April or May, among corn, or in the garden, in hills 8 to 10 feet apart, and otherwise treat in the same manner as melons.

MAMMOTH KING, or POTIRON—The best large pumpkin in use. Forms immense globular shape, flattened a little at the end. Skin reddish yellow in color and flesh rich orange. This is unquestionably the very best mammoth pumpkin we have. It runs very uniform in shape and color and all are of immense size. **Price: Pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., \$1.00.**

LARGE CHEESE—Shape flat; skin mottled light green and yellow, changing to a rich cream color. **Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c.**

KENTUCKY FIELD—A large, round, slightly ribbed, soft shell, salmon-colored Pumpkin that is very productive and excellent for stock. **Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 50c.**

SMALL SUGAR—Best for home use. **Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c.**

JAPANESE PIE—Similar in size and form to the well-known Cushaw, but the skin is a deep green, with dark stripes, turning to a rich golden yellow. Flesh, deep yellow, of fine quality. **Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c.**

TENNESSEE SWEET POTATO—A good variety for making pies and other cooking purposes. It is of medium size, of a white, creamy color, and has an excellent flavor; good keeper. **Price: Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 75c.**

BLISS' RED TRIUMPH

EXTREMELY prolific and a full week advance of Early Rose. Color, a beautiful light red. Size, medium. Growth, very uniform. Shape, nearly round. The flesh is white; very mealy when cooked. This potato is in exceedingly high favor with Southern market gardeners and truckers, and is shipped to the Northern markets. **Price: 10 lbs., 65c; 30 lbs., \$1.50; 60 lbs., \$2.60.**

EARLY ROSE

NO INTRODUCTION is necessary for this standard productive variety. For earliness, goodness of quality and a No. 1 market sort, it stands in the top rank. **Price: 10 lbs., 60c; 30 lbs., \$1.40; 60 lbs., \$2.40.**

EARLY OHIO

NORTHERN-GROWN in the Red River Valley. Much need not be said of this great potato. Among the standard early varieties it undoubtedly stands at the head of the list. An excellent keeper for such an early variety. **Price: 10 lbs., 60c; 30 lbs., \$1.40; 60 lbs., \$2.40.**

IRISH COBBLER

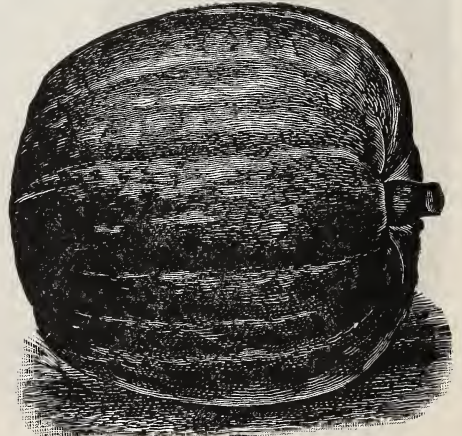
A FINE EARLY WHITE POTATO

THIS has become one of the general favorites in all localities for early as well as late planting. When it was first sent out it was not claimed to be particularly early, but extensive growing in this locality proves that it is fully as early as the Early Rose. The tubers are round in shape, eyes somewhat deep, and tubers of both fine appearance and quality. **Price: 10 lbs., 65c; 30 lbs., \$1.50; 60 lbs., \$2.50.**

RURAL NEW YORKER

THE standard white market potato. It is very large, usually smooth, oblong inclining to round, and rather flattened. Skin and flesh white; quality excellent; season intermediate. Tubers of great uniformity in size; almost every one marketable. Known everywhere as "Dusty" Rural. **Price: 10 lbs., 60c; 30 lbs., \$1.40; 60 lbs., \$2.40.**

PRICES ARE SUBJECT TO CHANGE ON ALL POTATOES



RADISH

(By Parcel Post, See Inside Cover.)

CULTURE—Sow seed as early in Spring as ground can be well cultivated, in drills, 10 to 12 inches apart; thin out to 1 inch apart for small, 2 to 4 inches for large varieties. Soil should be rich, light and well pulverized. Continue sowing every week or ten days for continuous crop. Quick growth insures good quality; they mature in from 18 days to 4 or 5 weeks, according to variety. One ounce to 100 feet of drill, 10 to 12 pounds per acre.

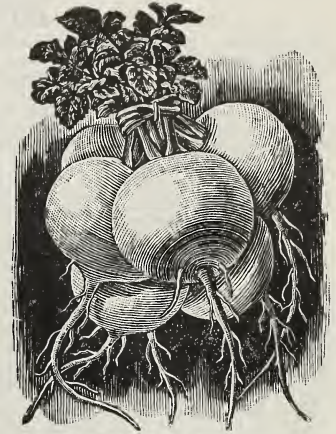
EARLY SCARLET TURNIP WHITE TIP—A very handsome and attractive Radish of a rich, carmine scarlet color and tipped white. It is invaluable for forcing or for open air growing and always a big demand for this fine variety. Its flavor is excellent and its qualities have made it stand out above the ordinary varieties for market growing or for home use. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c; 5 lbs., \$2.75.

FIRE BALL RADISH—It is a “Fire Ball” both in growth and appearance and Radishes in 21 days from the time of planting is the unrivaled record held by this fine strain. Its rich, crisp brittle flavor, with remarkably good growth and fine pinkish red color has made it a universal favorite. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 90c; 5 lbs., \$4.25.

EARLY SCARLET GLOBE—The interior of the root is pure white, mild, crisp and fine grained. Its season is rather short, and it must be pulled reasonably soon after maturity. Recommended for the home garden, for the market garden or for greenhouse forcing. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.25.

PHILADELPHIA WHITE BOX—This famous white turnip-shaped or globe-shaped Radish is the foremost of its class. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c; 5 lbs., \$2.75.

ST. L. S. CO.’S CRIMSON GIANT—It is round, bright crimson, attaining a maximum size before becoming pithy, of one and three-quarters inches long by one and one-quarter inches in diameter. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.



Philadelphia White Box.

EARLY SCARLET TURNIP—The famous small round red, crisp, tender, solid and brittle. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c.

YELLOW OVAL SHAPED—A fine summer turnip-shaped variety; yellow in color, but white meat and tender. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

WHITE STRASSBURG—Even when comparatively small this variety is in good condition for use and continues crisp until matured. The roots are rather thick at the shoulder and are usually somewhat tapering. This is one of the best large, white later summer sorts for home garden and market. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c; 5 lbs., \$2.75.

FRENCH BREAKFAST—Too well known to need any introduction. Scarlet with white tips. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

WHITE LADY FINGER (Long Vienna)—Of slender, graceful form and remarkably crisp, brittle and tender. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

WOOD’S EARLY FRAME—In shape half long; much used for forcing. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

ICICLE—Our strain of ICICLE is excellent as well as profitable and used for either forcing or for outdoor planting. A fine variety for market and private gardeners, who have a demand for an early long white radish. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c.

WINTER VARIETIES

ROUND BLACK SPANISH—The roots are round, sometimes slightly top-shaped, three or four inches in diameter. The skin is almost black. The flesh is white, very compact, decidedly pungent, but well flavored. The variety keeps well through the winter. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

LONG BLACK SPANISH—One of the best for winter use. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

WHITE SPANISH—Very solid and tender. The best white Radish for late Fall planting; largely used by our market gardeners. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

ROSE COLORED CHINA—Root long, of a fine scarlet color. Extremely solid and a most excellent keeping variety. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.



Long White Strassburg.



Early Scarlet Turnip White Tip.

RHUBARB (Rharbarber)

CULTURE.—This plant is mostly propagated by division of the roots. The best time to set out the plants is early in the Spring, although it is sometimes done in Autumn.

EARLY LINNAEUS—The earliest and tenderest variety, fine for sauce, pies, etc. Grown largely by gardeners for early market. Price: Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

MYATT'S VICTORIA—Later than Linnaeus, but mammoth in size; also of a finer quality. Very juicy, tender and almost stringless. Price: Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

RHUBARB ROOTS—Strong roots. Two years old. Price: Each, 20c; doz., \$2.25; 100 for \$17.00.

SALSIFY OR OYSTER PLANT

One ounce will sow 50 feet of drill.

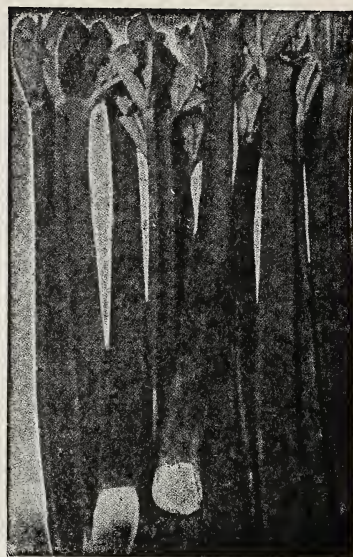
MAMMOTH SANDWICH ISLAND—The favorite variety of Salsify, as well as the largest and best sort in cultivation; very hardy. Grown extensively by gardeners and truckers everywhere. Price: Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

SPINACH

One ounce will sow 50 feet of drill. Twenty to twenty-five pounds will sow an acre.

CULTURE.—Spinach may be sown on any ordinary soil, and its cultivation is a very simple matter. It is grown both as a Spring and Summer crop.

LONG SEASON—A very dark green, crumpled variety, in general appearance similar to Savoy Leaved but considerably larger and broader in leaf. Price: Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c; 10 lbs., \$3.00.



BLOOMSDALE, or SAVOY—This is by far the most popular Spinach among the gardeners and is the best Spring and Fall Spinach ever offered. It quickly grows into a fine, large crop and a crop of this variety outweighs any other variety. Price: Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c; 10 lbs., \$3.00.

ROUND THICK LEAF—Leaves round and almost smooth. Produces large, round, thick, dark green leaves. Price: Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c; 10 lbs., \$2.75.

NEW ZEALAND—Makes a luxuriant growth all Summer. In its appearance it is entirely distinct from other Spinach. It is of exceptional fine quality and extremely tender. Price: Pkt., 10c; oz., 15c; ¼ lb., 25c; 1 lb., 75c.

SQUASH

(By Parcel Post, See Inside Front Cover.) One ounce of the small seeded varieties will plant 20 hills; 2 to 3 pounds an acre.

CULTURE.—Do not plant until settled weather, as plants are very tender. Use same methods as for Cucumbers and Melons.

EARLY WHITE SCALLOP BUSH—A beautiful white Squash of light cream color, large size flat. Elegant for home use. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

MAMMOTH WHITE SCALLOP BUSH—This handsome large white variety is about twice the size of the Early White Scallop Bush, purer white color and in quality is far superior to above. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

YELLOW SUMMER CROOKNECK—This famous variety is an ideal baking sort as well as being enormously productive. It is of a bush form. Small crooked neck, with warts. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

HUBBARD—Time-tried and worthy of the consideration of all and should be planted by everyone who relishes squash. Flesh is of a dark yellow color, fine grained. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

VEGETABLE or ITALIAN MARROW—The very earliest of all the Squashes. Although usually eaten when quite small still it is good for the table when nearly full grown. The color is dark green at first, but changes to a lighter green as it matures. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

IMPROVED STRIPED CUSHAW—It is of a beautiful variegated coloring, producing stripes of a mottled effect. Very prolific and of medium size; an ideal baking variety. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

DELICIOUS—A very early winter variety of medium size. It varies somewhat in color and form, usually oval shaped with green, smooth skin, sometimes slightly mottled. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.



Hubbard Squash.

ST. LOUIS SEED COMPANY—“Pure and Sure” Seeds

TOMATO

One ounce will produce about 1,000 plants.

Prices Postpaid.

CULTURE.—The seed should be sown in a hotbed about the first week in March, in drills 5 inches apart and half an inch deep. When the plants are about 2 inches high, they should be transplanted into another hotbed and planted 4 inches apart, or planted in 4-inch pots, allowing a single plant to a pot. About the 15th of May the plants may be set out in the open ground 3 feet apart. Water freely at the time of transplanting. Sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or flower-pot, and placing it in a sunny window of the room or kitchen. The fruit is greatly improved in quality if the vines are tied to a trellis or to stalks.

EARLY SORTS

BONNY BEST—This variety is a favorite for forcing; just the size wanted (round); color rich scarlet red, very smooth, fruit set in bunches and in great abundance. Everything is in its favor for a forcing Tomato. **Price:** Pkt., 10c; oz., 30c; ¼ lb., \$1.00.

EARLIANA (The Earliest Red Tomato)—The plants are of compact growth, with short, close-jointed branches, setting the fruit very freely in the center. The Tomato is of uniform size, averaging 3 inches in diameter, and from 2 to 2½ inches in depth; solid, with few seeds, making a splendid variety for shipping. **Price:** Pkt., 10c; oz., 30c; ¼ lb., \$1.00.

JUNE PINK—The earliest pink Tomato, similar to Earliana except that the color is pink instead of red. The fruits are of fair size and ripen evenly, practically permitting the entire crop to be harvested at one time. **Price:** Pkt., 10c; oz., 30c; ¼ lb., \$1.00.

EARLY DETROIT—The largest and best of the early purplish pink tomatoes. Vine vigorous and very productive. Fruits very smooth, uniform in size, nearly globe-shaped; firm, and excellent quality. **Price:** Pkt., 10c; ½ oz., 25c; oz., 35c; ¼ lb., \$1.25; 1 lb., \$4.50.

ST. L. S. CO. IMPROVED EXCELSIOR

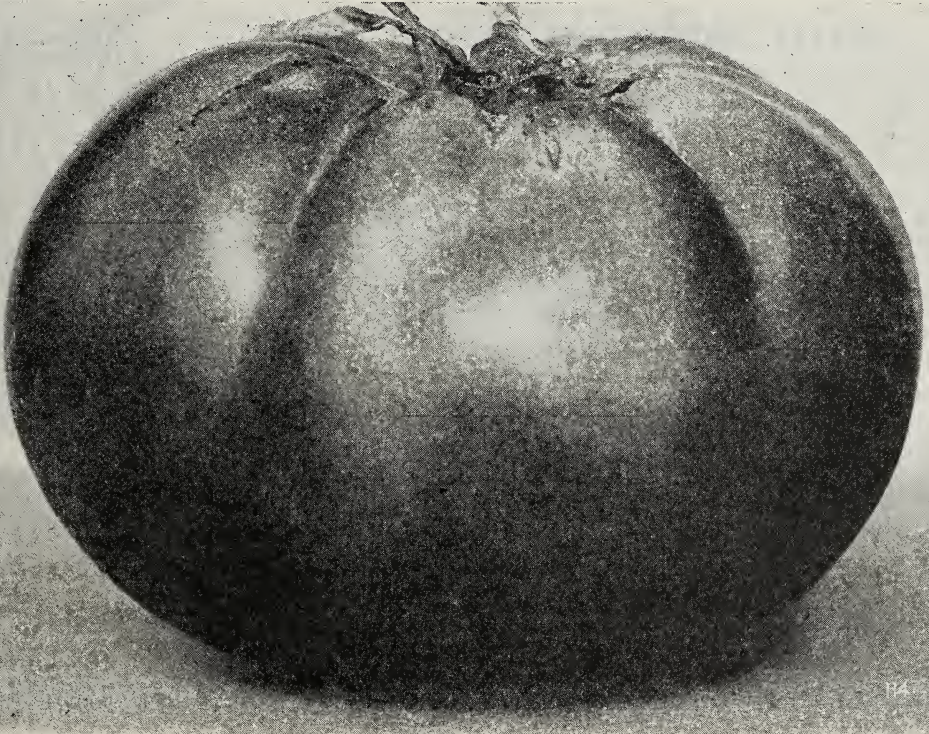
OUR STRAIN of this famous Tomato is simply superb. It is of a dark, glossy, purplish red, very large and very solid. The plants make a very strong growth, are hardy and bear most plentifully. This fruit is produced in clusters of four to six large and of perfect shape, and retain this size until late in the season. Ripening early, with flesh of the most excellent quality, and with the seed cells very small, it is the ideal Tomato.

We have a very carefully selected stock of this universal favorite and if you want to plant a Tomato for big crop, this variety is unexcelled. For the home garden, its tender meat and scarcity of seeds have made it a real leader and we cannot urge you too strongly to make a test of this excellent variety.

It stands supreme and we want everybody to grow some of this variety and it will appeal to you as the one perfect variety for you to plant season after season. And our strain is the strain that will please you. **Price:** Pkt., 10c; ½ oz., 25c; oz., 35c; ¼ lb., \$1.25; 1 lb., \$4.50.



Early Detroit.



TOMATO—Continued



Livingston Globe.

DWARF CHAMPION—This is sometimes sold as the “Tree Tomato.” It is a second early or main crop, purplish pink variety, especially desirable where garden space is limited. The vines are about two feet high, vigorous, upright and compact. The fruits are medium sized, exceptionally smooth and of very good quality. Our stock is a very superior strain with more even, smoother fruit than the original. Price: Pkt., 10c; oz., 25c; ¼ lb., 75c.

SMALL FRUITED TOMATOES

- GOLDEN BALL**—A beautiful large, round, yellow sort. Very fine flavored. Price: Pkt., 10c; oz., 30c; ¼ lb., \$1.00.
- HUSK, OR GROUND CHERRY**—A favorite canning or preserving variety. Price: Pkt., 10c; oz., 30c; ¼ lb., \$1.00.
- PEACH**—Size, shape and color of a peach. Price: Pkt., 10c; oz., 30c; ¼ lb., \$1.00.
- YELLOW PEAR**—Excellent for “putting up.” Price: Pkt., 10c; oz., 30c; ¼ lb., \$1.00.
- YELLOW PLUM**—Popular small yellow, for preserving. Price: Pkt., 10c; oz., 30c; ¼ lb., \$1.00.
- RED CHERRY**—Fruits small, about five-eighths of an inch in diameter, perfectly round and smooth. Fine for pickles and preserves. Price: Pkt., 10c; oz., 30c; ¼ lb., \$1.00.
- RED PEAR**—Used for preserves and to make “Tomato Figs.” Fruits bright red, distinctly pear shaped and of excellent flavor. Price: Pkt., 10c; oz., 30c; ¼ lb., \$1.00.

Above prices postpaid.

WE DELIVER FREE IN THE U.S. ALL VEGETABLE AND FLOWER SEEDS BY THE PACKET, OUNCE OR QUARTER POUND.



Mo. Broad Leaf.

SECOND EARLY, OR MAIN CROP

LIVINGSTON'S BEAUTY—This standard Tomato is well known. Grows in large clusters and retains its large size late in the season. Color, “purple.” Price: Pkt., 10c; oz., 25c; ¼ lb., 75c.

LIVINGSTON GLOBE—A large, purplish pink, globe-shaped or very nearly round tomato of excellent quality. It is extensively used for shipping. The vines are very vigorous and productive. The fruits are rather uneven in size but are very smooth and mature a little earlier than most mid-season or main crop varieties. Price: Pkt., 10c; ½ oz., 25c; oz., 35c; ¼ lb., \$1.25; 1 lb., \$4.50.

PONDEROSA—A purplish pink, main crop tomato of the largest size. The vines are vigorous and very productive. The fruits are very solid, with exceptionally few seeds, fairly smooth and considered of very good quality, especially by those who prefer a tomato quite free from acid. It is very desirable for slicing. Price: Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.40.

STONE—One of the largest and most solid, main crop or late bright red varieties. It is unsurpassed for slicing and canning. The vines are large, vigorous and very productive. The fruits are bright deep scarlet, oval and very deep, exceptionally smooth and uniform in size. Our stock is distinctly superior to most of that offered under this name, being larger, smoother, more uniform and better colored. Price: Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.75.

MAMMOTH LARGE RED—This famous variety is enormous both in size and yield, it being one of the largest smooth, round, red Tomatoes. Clear, bright red color. Flesh is thick and heavy. Price: Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$4.50.



TOBACCO

- DARK PLUG WRAPPER—BIG ORONOKA**—A favorite Virginia variety. Grows very large, broad leaves. Price: Pkt., 10c; ½ oz., 25c.
- MISSOURI BROAD LEAF**—A well-known standard sort; very large yielder, an ideal sort for home use. Price: Pkt., 10c; ½ oz., 25c.
- WHITE BURLEY**—The standard main crop variety which produces one of the most fashionable types for manufacturing and cutting. Price: Pkt., 10c; ½ oz., 25c.
- HAVANA**—The leading smoking variety. Commands a high price for cigar stock. Price: Pkt., 10c; ½ oz., 25c.

TURNIP

One ounce will sow 200 feet of drill, one to two pounds for an acre.

CULTURE.—For early sow seed of flat varieties in open ground in drills one foot or more apart, using seed sparingly. Thin to 3 or 4 inches apart. For succession sow every two weeks until June. For fall and winter sow in July and August. A good crop may often be grown by scattering seed thinly in the cornfield at last cultivation. For Rutabagas sow seed in seed-bed in Spring and transplant to good warm soil, in rows at least 2 feet apart and 8 or 10 inches apart in the rows, or sow in open ground during June and early July. Take up the roots just before winter, top and store in cool cellar, or pit outdoors.

EXTRA EARLY PURPLE TOP MILAN—Fully a week earlier than any variety.

Flat and smooth; of medium size. Pure white flesh of choice quality. A good keeper. Fine table variety to grow either in Spring or Fall. **Price:** Pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.

PURPLE TOP WHITE GLOBE—This excellent table variety is globular in shape, of good size and very attractive appearance. The roots are large, purple or dark red above ground, white below. The flesh is white, fine grained and tender. The roots when in best condition for the table are about three inches in diameter, but can be grown much larger for stock feeding. This sort keeps well for so early a variety and is one of the best for market use. **Price:** Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c; 5 lbs., \$2.50.

PURPLE TOP FLAT STRAP LEAF—A very early strap-leaved variety, very extensively used for the table. The leaves are few, entire, upright in growth. The roots are flat, of medium size, purple or dark red above ground, white below. The flesh is white, fine grained and tender. Roots when in best condition for table use are about two and one-half inches in diameter but can be grown much larger for stock feeding. This sort is also known as Early Red Top, Strap Leaved. **Price:** Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 50c.

WHITE GLOBE—The king of all mammoth white Turnips. Immense white, globe-shaped roots. Considering the size, it matures early. A very good autumn variety. **Price:** Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

YELLOW OR AMBER GLOBE—Is the staple yellow Turnip, both for table and for feeding stock. Heavy cropper and keeps well. Flesh firm and sweet. **Price:** Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

WHITE EGG—An early, oval or egg-shaped variety with smooth, clear white roots of medium size which grow half out of the ground. The tops are small with leaves distinctly cut. The flesh is clear white, firm, fine grained and sweet. The roots of this quick-growing sort when in best condition for use are usually about two inches in diameter and about three and one-half inches long. **Price:** Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

SEVEN TOP—Grown only for the tops, which are used for greens or salad in the South. **Price:** Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.



Purple Top
White
Globe.



Ex. Early Purple Top.

RUTABAGA

AMERICAN YELLOW PURPLE TOP—The most satisfactory variety of Rutabaga to grow for either family use or stock feeding. Is very hardy and productive. Flesh yellow, solid and sweet. **Price:** Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c.

HERBS

SWEET, MEDICINAL AND POT HERBS

CULTURE.—For early use sow seed in hotbed in March, or open ground in May, in rows one foot apart. Cover very lightly and thin out when large enough to six or eight inches in row. They should be cut on a dry day, before they come into full blossom. Tie in bunches and keep where they will dry quickly.

The varieties marked an asterisk (*) are hardy perennials. To preserve herbs properly, cut the stems and leaves just as the plant is coming into bloom, dry them in the shade, and when perfectly dry wrap them up in paper or store them away in a dry room, or rub the leaves to a powder, pack in bottles and cork tightly, and store them away, which will preserve them for any period.

ANISE—Seeds aromatic and carminative. **Price:** Pkt., 10c.

BALM—For balm tea or balm wine. **Price:** Pkt., 10c.

BASIL SWEET—For highly seasoned dishes, soups, etc. **Price:** Pkt., 10c.

BORAGE—Used as a salad. **Price:** Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.

***CATNIP**, or **CATMINT**—Leaves for seasoning. **Price:** Pkt., 10c.

***CARAWAY**—For flavoring bread. **Price:** Pkt., 10c.

CHERVIL, CURLED—Largely used in soup. **Price:** Pkt., 10c.

CORIANDER—For flavoring cakes, etc. **Price:** Pkt., 10c; oz., 20c.

DILL—For flavoring pickles and as a condiment. **Price:** Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.00.

***FENNEL**—Sweet—Used in sauce. **Price:** Pkt., 10c.

***HOARHOUND**—For cough remedies. **Price:** Pkt., 10c.

***LAVENDER**—Leaves for seasoning, dried flowers for perfuming. **Price:** Pkt., 10c.

MARJORAM—Sweet—Used like sage and thyme in seasoning. **Price:** Pkt., 10c.

***ROSEMARY**—Hardy, aromatic, evergreen shrub. **Price:** Pkt., 10c.

***SAGE**—Common—**Price:** Pkt., 10c; oz., 25c; ¼ lb., 90c; ½ lb., \$1.50.

***SAVORY**—Summer—Thyme-like flavor. **Price:** Pkt., 10c.

***SORREL**—Broad-Leaved—For boiling "greens" or salad. Cook like spinach, or with it, one-third Sorrel. **Price:** Pkt., 10c; 1 oz., 20c; ¼ lb., 50c; 1 lb., \$1.75.

***THYME**—Sweet—For seasoning soups, etc., also tea for nervous people. **Price:** Pkt., 10c.

TARRAGON (Estragon)—For flavoring. The young leaves are used for pickles, vinegar, etc. **Price:** Pkt., 10c.

***WOODRUFF**—Fragrant leaves and stems; used for putting among clothes. **Price:** Pkt., 10c.

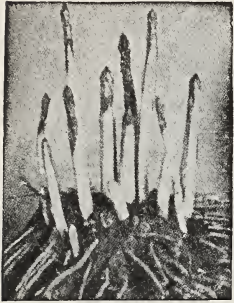
***WORMWOOD**—Used medicinally and in liquors; a good tonic for poultry. **Price:** Pkt., 10c.

VEGETABLE PLANTS

Plants sent by express, purchaser paying charges.

ASPARAGUS ROOTS

CULTURE.—The demand for Asparagus as an early Spring vegetable is becoming quite popular. An Asparagus bed intended for family use can be quickly established by the planting of roots, which should be set out in the spring in rich soil. Dig a trench about 2 feet deep and 1½ feet wide, and fill in to about one foot from the surface with well-rotted manure. On this put about six inches of good garden soil and lay the roots 18 inches apart, then fill up, leaving the crown about 4 inches below the surface. Asparagus should not be cut until the second year.



Extra-choice Two-year Roots.

	Doz.	50	100	1000
Columbian Mammoth.....	\$0.25	\$0.95	\$1.75	\$15.00
Palmetto .....	.25	.95	1.75	15.00

(By Parcel Post, add 5c Doz. Postage.)

CABBAGE PLANTS—Plants should be set about 2½ to 3 feet apart each way. April and May delivery.

(By Parcel Post, add 10c per 100 for Postage.)

	25	50	100	1000
Wakefield	\$0.25	\$0.45	\$0.75	\$6.50
Copenhagen Market....	.25	.45	.75	6.50
All Season.....	.25	.45	.75	6.50

CAULIFLOWER PLANTS—April and May delivery.

Plants should be set 2½ to 3 feet apart each way.

	Doz.	4 Doz.	8 Doz.
Cauliflower, Ea. Dwarf Erfurt..	\$0.15	\$0.50	\$1.00

RHUBARB ROOTS

WHEN only a few plants are required, we would suggest the purchase of roots instead of seed. From our medium size or large clumps, Rhubarb stalks can be cut the following season. The growth of the plant is very rapid from these clumps. Transplant roots in Fall, or Spring, in highly manured soil, setting them 4 to 6 feet apart each way. Do not pull stalks until second year after transplanting roots.

	Each	Doz.	100
2-year-old	\$0.20	\$2.25	\$17.00

(By Parcel Post, add 5c Each.)

HORSERADISH SETS

HORSERADISH ROOTS—The soil should be very rich and well cultivated. Price: 12 for 20c; 4 doz. for 60c; 100 for \$1.00; 1000 for \$8.00.

(By Parcel Post, add 10c per 100 Postage.)

	25	50	100
Kohl-Rabi	\$0.25	\$0.45	\$0.75

(By Parcel Post, add 10c per 100.)

TOMATO PLANTS—We make a specialty of growing Tomato plants, and can furnish the following varieties after May 10 in fine, strong, stocky plants. Ready May and June.

(By Parcel Post, add 15c per 100 for Postage.)

	Doz.	4 Doz.	8 Doz.
Tomatoes—Ponderosa	\$0.20	\$0.75	\$1.25
Improved Excelsior.....	.20	.75	1.25
Dwarf Champion.....	.20	.75	1.25
Stone .....	.20	.75	1.25

PEPPER—Ready for May and June.

(By Parcel Post, add 5c Doz. Postage.)

	Doz.	4 Doz.	8 Doz.
Pepper—Bell or Bull Nose.....	\$0.20	\$0.75	\$1.25
Chinese Giant.....	.20	.75	1.25
Red Cayenne.....	.20	.75	1.25

50 100 1000

Sweet Potatoes—Red, Yellow
and white, not less than....\$0.40 \$0.70 \$6.00
Ready May and June.

(By Parcel Post, add 15c per 100.)

Grow Vegetables
Try Our Home Garden Collection, Page 1

STRAWBERRY PLANTS

(By Parcel Post, add 10c per 100 Postage.)

PLANTS READY MAY AND SEPTEMBER

SUMMER VARIETIES

Plants ready April 20th.

STRAWBERRIES—Will succeed in any soil adapted to ordinary farm garden crops; soil should be thoroughly prepared to a good depth, well drained and enriched. In field culture set the rows three feet apart, fifteen to eighteen inches in rows.

For garden, fifteen inches apart each way.

WARFIELD (Early)—Plant a vigorous grower, tough and hardy, and very productive. Fruit large, conical. Color dark glossy red; excellent flavor.

DUBACH (Medium)—Of large and uniform size, fine form and color, great vigor of plant and productive.

AROMA—Fruit very large, roundish, conical, rarely misshapen, glossy red, of excellent quality. One of the very best varieties.

Price of above: 25 for 35c; 100 for \$1.00;
1000 for \$7.50.

EVERBEARING OR FALL VARIETIES

YOU can have strawberries just as easily in the fall as in the spring by planting the Americus, known as the fall-bearing varieties. They will produce heavy crops in the fall of as fine berries as any spring ripening strawberries.

PROGRESSIVE—This is the most wonderful ever-bearing strawberry ever produced. A healthy and strong grower; very productive, from June until freezing weather; very drought resistant; a better berry for a hot, dry climate than any other variety. Size medium to large, very firm, uniform shape, bright red outside and inside. Has the native wild strawberry flavor. Succeeds well anywhere. Price: 25 for 75c; 100 for \$1.50; 1000 for \$12.00.

FARM and FIELD SEEDS

"PURE AND SURE SEEDS"—BIGGER AND BETTER CROPS

MOST important to all who depend for their living on the products of the soil is **Selected Seeds**, that not only will germinate and are reliable, but that will produce bumper crops, that will fill the granary with fine high-priced wheat, and the corn bin full of this great product. "Pure and Sure" Seeds are the kind that produce the crops that mean great big profits from a small outlay of money. You cannot afford to waste your time planting cheap seeds when you look for results from your plantings. It is poor economy to plant untested seeds when for a little more you can have seeds of the highest quality, and that is what you want. You can have confidence in the quality of our Pedigreed Seeds for we have made a specialty of farm seeds and the value of the same cannot be exaggerated. Let us know what you want in the line of field seeds, and we guarantee you quality that cannot be equaled for the price.

Bu.
56 Lbs.

ST. LOUIS SEED CO.'S SELECTED SEED CORN

Bu.
56 Lbs.

Extra charge for Bags; ½ bu. cotton, 10c; 1 bu. cotton, 20c; seamless bags, 40c.

GRADED SEED CORN

WE CAREFULLY grade all seed corn which we send out, removing the extreme tip and butt kernels so that it is readily planted with edge-dropping planters. But the grading is only a part of the labor which we give to the production of good seed corn. All varieties are carefully grown under the direct supervision of our company. It is gathered early and stored in our seed corn house, where every ear is carefully inspected by experts and only those absolutely true to type and of strong vitality are shelled for seed purposes. You cannot buy better seed in America, no matter what the price.

CHAMPION EARLY WHITE PEARL

(90 days)

THIS is the earliest snow white Dent corn. Grown extensively by gardeners for roasting ears. It is an immense yielding variety and very uniform in shape, size, etc., and therefore its great market demand. The ears grow very large—the cob small, two great factors of profit in corn. Our selected seed of this variety is without equal anywhere and the many good reports about this variety have far exceeded our expectations. You cannot buy better seed corn at such a low price. Price: 5 lbs., 40c; 15 lbs., 75c; 25 lbs., \$1.00; 56 lbs. (1 bu.), \$2.00.

PRIDE OF THE NORTH

(90 days)

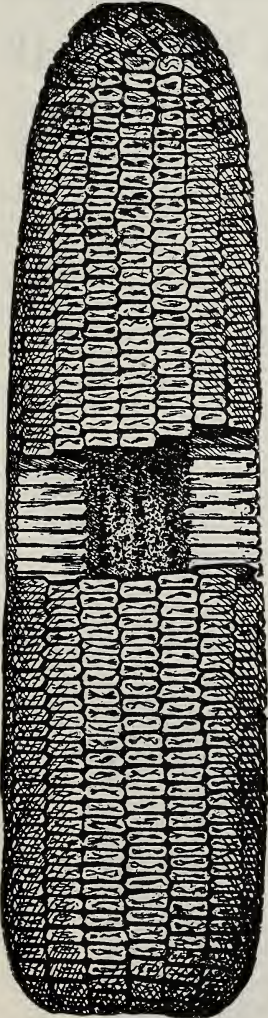
THE great favorite of the extreme Northern States and a most useful variety where a late planting is necessary. The ears run from seven to nine inches long, with small cob and deep kernels; ears usually contain from fourteen to eighteen rows; will ripen and mature anywhere in ninety days; can be planted as late as June 25th and make itself by September 10th. Good soil is capable of growing four to six stalks to the hill; many stalks have two ears and usually produce from forty to fifty bushels of good, sound corn per acre. Price: 5 lbs., 40c; 15 lbs., 75c; 25 lbs., \$1.00; 56 lbs. (1 bu.), \$2.00.

IOWA SILVER MINE

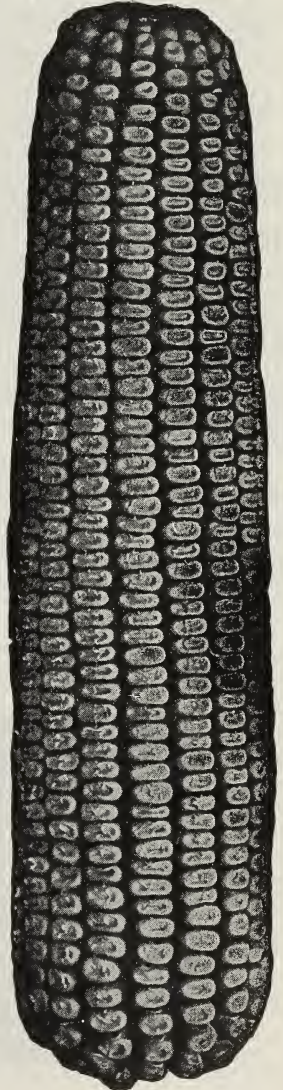
(Matures 100 days)

THIS is not a new variety, but is one of the best-known sorts, and on account of its great popularity and the wonderful record it is noted for its great vitality to withstand and resist extreme conditions of weather, wet or dry; also hot weather, and makes good crops where other sorts wither, burn up and perish under hot winds and scorching sunshine. Each year we have grown this corn we have sought to select and improve it in every way possible, not so much to increase the size of the ears, but to increase uniformity of size and number of ears to the stalk, and have thus eliminated all barren stalks and brought it up to the highest standard of perfection, both in yield and early maturity.

Stalks grow 8 to 10 feet in height and ears set well down toward the ground. Price: 5 lbs., 40c; 15 lbs., 75c; 25 lbs., \$1.00; 56 lbs. (bu.), \$2.00.



Champion Early White Pearl.



GOLD BOND

IF ANY seed grain can truly be called pedigreed, the Gold Bond Field Corn is certainly entitled to be known as such, as its history dates many years back. It has been bred up and selected with painstaking care to what it is at the present time—one of the best varieties of yellow Corn grown. Ear medium in size, remarkably uniform, and of a bright yellow color, with solid, deep grain and small red cob. Has from 18 to 24 rows of kernels on the cob, 50 to 60 grains in the row.

You will be an enthusiastic booster of our **Gold Bond** once you have planted it. Price: 5 lbs., 50c; 15 lbs., 90c; 25 lbs., \$1.25; 56 lbs. (bu.), \$2.25.

BOONE COUNTY WHITE

(Matures 120 days)

BOONE COUNTY WHITE—Is a highly bred variety of white corn of extra large size, containing a high percentage of oil. It is late maturing, but with good long seasons and favorable conditions, it is a splendid yielder. In many places it is a great favorite. The ears are from 9 to 12 inches long, 7½ to 8½ inches in circumference, containing 18 to 24 rows. The cob is medium large and pure white in color. We supply only the very best quality seed, true to type in every way, and this variety is well worth a trial. Price: 5 lbs., 40c; 15 lbs., 75c; 25 lbs., \$1.00; 56 lbs. (1 bu.), \$2.00.

ST. CHARLES WHITE, RED COB

(Matures 120 days)

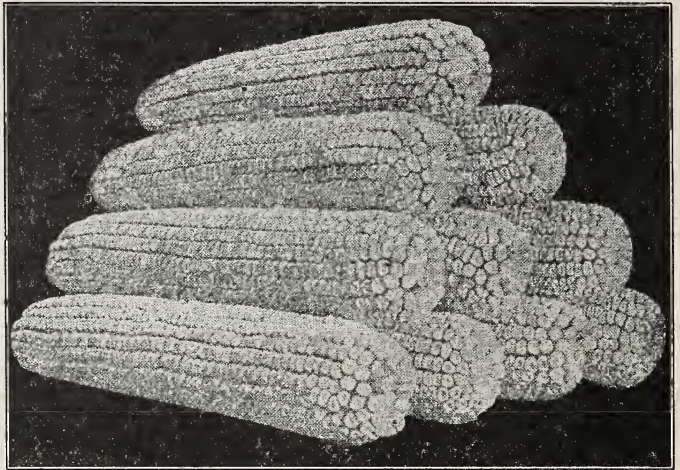
THIS excellent variety was introduced in St. Charles County, Missouri, and is very popular with a large number of our customers, especially in that vicinity, where plantings are made every year. It is a very handsome, pure variety of white corn, set on a red cob, and the ears are usually 8 to 10 inches long, 16 to 18 rows of deep, broad kernels.

Our seed stock of this variety was grown from pure, genuine stock and can be relied upon to give the best possible results to be obtained from this variety. Price: 5 lbs., 40c; 15 lbs., 75c; 25 lbs., \$1.00; 56 lbs. (1 bu.), \$2.00.

POP CORN

POP CORN should be found in every garden and on every farm, especially if there are children in the home to enjoy it during the long Winter evenings. The constant demand for pop corn makes it a profitable crop.

JAPANESE—Cultivated and used more than any other sort. Short ears, with four to six ears to the stalks, with long, pointed kernels. Very productive. The yield per acre is equal to any of the field dent varieties, as it can be planted much closer than common dent varieties of corn. Price: 1 lb., 20c; 5 lbs., 75c; 20 lbs., \$2.75.



ST. L. S. CO.'S WHITE STAR

Maturing in 110 days.

THIS wonderful white dent corn is known, grown and more extensively planted than any White Corn ever introduced. It is adapted to a wide range of conditions and is a corn for the North, South, East and West, and a variety that always, everywhere gladdens the hearts of the farmers and fills his cribs at harvest time.

Our seed of this variety is the best we have ever had and we look for the demand to be greater than ever for our **White Star**. You cannot plant a better variety and you know that your order for this corn will be filled with the highest grade, selected, pedigreed seed corn, and at a price that is almost unbelievable. Price: 5 lbs., 50c; 15 lbs., 90c; 25 lbs., \$1.25; 56 lbs. (bu.), \$2.25.

REID'S YELLOW DENT

The Most Popular Yellow Dent Corn in the Great Central Corn Belt.

(Matures 110 days)

IF ANY seed can truly be called pedigreed, the **Reid's Yellow Dent Field Corn** is certainly entitled to be known as such, as its history dates many years back. It has been bred up and selected with painstaking care to what it is at the present time one of the best varieties of yellow corn grown. Ear medium in size, remarkably uniform, and of a bright yellow color, with solid, deep grain and small red cob. Has from 18 to 24 rows of kernels on the cob, 50 to 60 grains in the row, and is well-filled over the ends, and especially the butt. Price: 5 lbs., 40c; 15 lbs., 75c; 25 lbs., \$1.00; 56 lbs. (bu.), \$2.00.



Gold Bond.

CLOVER SEED (Bu. 60 Lbs.)

(Field Seeds by Parcel Post, See Inside Front Cover.)

Bags extra at cost, ½ Bu. cotton, 20c; seamless, 40c each.

ALL PRICES ON FIELD SEEDS ARE SUBJECT TO MARKET CHANGES. ALL ORDERS FILLED TO THE AMOUNT OF REMITTANCE AT MARKET PRICES WHEN ORDER IS RECEIVED.

CLOVER can be sown in the Spring, from February to April in this locality, varying earlier or later according to other latitudes. Excellent results can also be obtained from sowing it on late snows, as with the melting of these the seed soaks into the earth about the right distance. The Summer and early Fall sowing of clover is also giving most satisfactory results, and a full crop can be cut the succeeding year when this is done.

ALFALFA CLOVER (Fancy)—The King of Forage Plants.—Alfalfa is the corner-stone upon which is being built the prosperity of wide areas of our agricultural country—with its never-failing three and four crops of from five to six tons per acre. Price: lb., 40c; 5 lbs., \$1.75; 25 lbs., \$6.75; 100 lbs., \$25.00.

ALSIKE CLOVER—This is one of the hardiest varieties known. It is perennial and does not winterkill. It will do better on moist land than any other variety of Clover, and is suitable for either hay or pasture. Price: lb., 40c; 5 lbs., \$1.75; 25 lbs., \$6.75; 100 lbs., \$24.00.

CRIMSON CLOVER—It can be seeded at any time from June to October, at the rate of fifteen to twenty pounds to the acre, and makes the earliest possible spring pasture. Price: lb., 30c; 5 lbs., \$1.25; 25 lbs., \$5.00; 100 lbs., \$18.00.

RED CLOVER—This is regarded as the most valuable of the Clover family. It makes two crops each year. The first is usually cut when it is in blossom for hay; the last crop may be harvested for seed. Our strictly "Fancy Re-cleaned" grade cannot be surpassed by anyone. Price: lb., 50c; 5 lbs., \$2.25; 25 lbs., \$7.50; 100 lbs., \$28.00.

MAMMOTH CLOVER—This is grown largely for pastures and to restore fertility to depleted soils. Price: lb., 50c; 5 lbs., \$2.25; 25 lbs., \$8.00; 100 lbs., \$30.00.

SWEET CLOVER (White Blossom)—It is a biennial leguminous plant, tall, somewhat like coarse alfalfa, growing 8 to 10 feet high. Its blossoms, which rarely appear until the second year, are white and give a strong smell of honey. If not allowed to reseed, it will die out the second year. Price: lb., 30c; 5 lbs., \$1.25; 25 lbs., \$4.75; 100 lbs., \$15.00.



Crimson Clover.

HUBAM CLOVER

(Annual White Sweet Clover)

HUBAM CLOVER is a variety of sweet clover. It makes about the same growth in one season that the ordinary sweet clovers do in two. With the exception of Hubam all the common clovers are biennial or two-year clovers. Hubam Clover continues its growth until it reaches a height of from 3 to 7 feet within 4 to 7 months from the time the seed is planted, matures its seed, and dies all within the one season. Through the use of Hubam Clover as a substitute for other clovers, one year can be saved in the ordinary farm rotation. Price: lb., 75c; 5 lbs., \$3.50. Write for prices on large lots.

WHITE DUTCH CLOVER

A LOW, close growing Clover; round, white heads very fragrant. Very desirable for beautifying the lawn. Price: lb., 90c; 5 lbs., \$4.25.

BROOM CORN

STANDARD EVERGREEN BROOM CORN—Grows about eight to ten feet high, stands up well and is entirely free from crooked brush. Price: lb., 20c; 5 lbs., 75c.

BARLEY

SPRING BARLEY—It can be grown on almost any kind of soil and produces a crop even on light soil which will not produce wheat or oats. Price: lb., 15c; 5 lbs., 50c; 25 lbs., \$1.25; 100 lbs., \$4.00.

BUCKWHEAT

COMMON—It is much more productive than any other and succeeds well almost any place. Price: lb., 15c; 5 lbs., 50c; 100 lbs., \$5.50.



PLANT

"Pure and Sure" Seeds

FARM SEEDS—Continued

FARM SEEDS ARE SENT BY FREIGHT OR EXPRESS at customer's expense. We pack carefully and deliver to transportation company here, and always make shipment via best and quickest route.

Bags extra at cost—Cotton, Pk. size, 10c; ½ Bu., 20c; 2 Bus., Seamless, 40c.
PRICES ON ALL FARM SEEDS ARE SUBJECT TO MARKET CHANGES.

CANE

EARLY AMBER—Farmers and stockmen say that Early Amber Cane is the most valuable fodder plant in existence. Not only is it adapted for feeding purposes, but it has great qualities as a Sorghum. Price: lb., 15c; 5 lbs., 50c; 25 lbs., \$2.00; 100 lbs., \$7.75.

EARLY ORANGE—A variety well adapted for the South. It is from eight to ten days later than the Early Amber. Price: lb., 15c; 5 lbs., 60c; 25 lbs., \$2.25; 100 lbs., \$8.50.

COW PEAS

In 100-pound lots, write for prices.

COW PEAS are very valuable for hay when cut and also a great soil enricher when plowed under. Cow Peas should be sown at the rate of 1 to 1½ bu. per acre.

WHIPPOORWIL—This variety matures in about 70 days and is very largely grown as a soil improver and for pasturage. Trails very little and usually in bush form. It is the favorite bunch-growing variety; has brown speckled seeds. Price: lb., 15c; 5 lbs., 50c; 25 lbs., \$2.00.

NEW ERA—This famous variety is grown extensively everywhere and is an early maturing variety of quick, upright growth. The vines make a splendid dry forage, cure easily, and produce a heavy yield of peas. Very valuable in sections where the season is short. Price: lb., 15c; 5 lbs., 50c; 25 lbs., \$2.00.

MIXED—We always have a supply of mixed varieties; usually a little lower in price because of this, but equally valuable for forage or for enriching the soil. Price: lb., 15c; 5 lbs., 50c; 25 lbs., \$2.00. Write for prices on larger quantities.

KAFFIR CORN

ONE of the finest fodder plants, yielding two crops each season. Stalks grow to a height of five or six feet, each bearing numerous wide leaves. It is a wonderful yielder and one of the most profitable crops grown.

WHITE VARIETY—Price: lb., 10c; 5 lbs., 40c; 25 lbs., \$1.50; 100 lbs., \$4.50.

MILLETS

(50 lbs. per Bushel)

SIBERIAN—More productive than the German or Golden and of superior quality. Is superseding all other varieties in some sections. Price: lb., 15c; 5 lbs., 50c; 25 lbs., \$1.75; 100 lbs., \$6.00.

GERMAN OR GOLDEN—It is a strong grower and will yield enormous crops of the finest hay, and should be cut before the seeds will harden. For hay, sow from May to August 1st. For grain, sow in drills not later than June 20th. Fancy—Price: lb., 15c; 5 lbs., 50c; 25 lbs., \$1.75; 100 lbs., \$6.00.

SEED OATS

It Costs Less to Grow Good Oats Than Poor Ones.

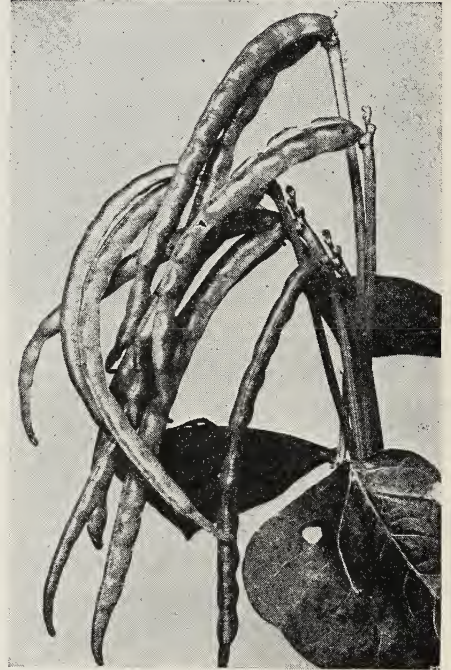
EARLY WHITE CHAMPION—This is a well-known variety throughout the central states and north-west. It ripens early and yields abundant crop. It is a large, white oat, free from black kernels. In comparison with other sorts, one close observer has stated, "It has the plumpest kernel of any variety." Price: Bu., 90c; 10 bu., 85c per bu.

TRUE BLACK—They are preferred by those who have had experience with them principally on account of their superior yielding qualities, but besides being fully equal, if not better than white oats in point of feeding qualities, they possess another very valuable characteristic in the unequalled stiffness and strength of straw. Price: Bu., \$1.00; 10 bu., 95c per bu.

TEXAS RUSTPROOF—The ideal Rustproof variety, grown extensively throughout the South, an immense yielder, a sure cropper. Price: Bu., \$1.00; 10 bu., 95c per bu.

PEAS

CANADA FIELD PEAS—Valuable for northern climates, for cattle-feeding, especially for milch cows. This pea also makes fine ensilage and for plowing under as a green manure has no equal. Price: lb., 20c; 5 lbs., 50c; 25 lbs., \$3.00; 100 lbs., \$10.00.



SEEDS BY PARCEL POST

We pay Postage on Packets, Oz., ¼-lb., in U. S., for pounds, see Parcel Post rate, Page 1.

PEANUTS

PLANTED in April, they ripen in August, and planted as late as July 1st, they will mature full crops before frost. Price: lb., 35c; 5 lbs., \$1.50.

RAPE—DWARF ESSEX

AS a forage plant for hogs, cattle or sheep it cannot be surpassed. No owner of stock can afford to be without this great forage crop. Price: lb., 25c; 5 lbs., \$1.00; 25 lbs., \$4.00; 100 lbs., \$10.00.

RYE

IF SOWN early in the spring it makes an early and abundant pasture. It is quite commonly employed recently and used with great profit as a catch crop where grain has been winter-killed. Sow 1½ to 2 bushels to the acre. Price: lb., 10c; 5 lbs., 40c; 25 lbs., \$1.25; 100 lbs., \$4.00.

SUNFLOWER

MAMMOTH RUSSIAN—Sunflower Seeds are superior for poultry (said to improve the meat). Price: lb., 20c; 5 lbs., 75c; 25 lbs., \$3.00.

SOY BEANS

HAVE been grown successfully in all sections of this country, and by many farmers are preferred to Cow Peas, both for their larger yield of beans, and the fact that they are easier to gather. Price: lb., 15c; 5 lbs., 50c; 25 lbs., \$2.00; 100 lbs., \$6.00.

GRASS SEEDS

In 500 pound lots, write for prices.

We desire to call particular attention to the fact that Grass Seeds are sold in the trade by sample, and each sort is divided into three or four grades of quality, according to purity, germination and weight. The price of the best grade is often double that of the ordinary. The Grass Seeds here offered by us are in every case the VERY HIGHEST GRADE.



Orchard Grass.

BERMUDA GRASS—Used extensively in the South for lawns, where other lawn grasses cannot be successfully grown. Sow seed in the Spring. Price: lb., 45c; 5 lbs., \$2.00.

CANADIAN BLUE GRASS (Poa Compressa)—Also called flat stemmed poa. Flat-stalked Meadow Grass; distinctly blue in color. Grows a foot or more high and yields a great weight of hay. Highly recommended for horses, cows and sheep. Thrives well on clay. Price: lb., 35c; 3 lbs., \$1.00; 25 lbs., \$7.00.

ENGLISH PERENNIAL RYE GRASS (20 lbs. per bu.)—It is invaluable for perennial pastures, for hay if cut when in blossom. Price: lb., 25c; 5 lbs., \$1.00; 100 lbs., \$18.00.

HARD FESCUE—Smaller and less vigorous growth than Sheep's Fescue. It suits sandy or dry hilly soils. Price: lb., 75c; 5 lbs., \$3.50.

ORCHARD GRASS (Rough Cock's Foot)—A rather coarse perennial grass that forms dense tufts. Flourishes best in the shade. Price: lb., 35c; 5 lbs., \$1.50; 100 lbs., \$18.00.



Timothy.

RED FESCUE—For meadows or pastures on dry, hard or sandy soils. It is very hardy. Price: lb., 90c; 5 lbs., \$4.25; 10 lbs., \$8.00.

RED TOP—A very hardy perennial grass, succeeding best on moist land. It accommodates itself to a variety of soils, however, even to quite dry situations, and stands our hot climate admirably. Fancy or solid seed. Price: lb., 40c; 5 lbs., \$1.75; 25 lbs., \$8.25; 100 lbs., \$27.00.

SUDAN GRASS is probably the wild original form of the cultivated sorghums. It is a tall annual grass, growing under favorable conditions to a height of 6 to 10 ft., but when broadcasted thickly, it grows from 3 to 5 feet. The stems are fine.

The grass cures easily, making hay of excellent quality, which is readily eaten by all kinds of livestock. It is considerably earlier than the earliest Amber Sorghum, and will probably mature as far north as the Canadian line. Price: lb., 30c; 5 lbs., \$1.25; 25 lbs., \$5.00; 100 lbs., \$18.50.

TIMOTHY (45 lbs. per bu.)—The best of all grasses for hay. It should be cut when in blossom, in June or July. It is preferable to sow in the Fall, but we sell almost as much seed in the early Spring, and it is frequently sown then with equal success. Price: lb., 20c; 5 lbs., 75c; 25 lbs., \$3.00; 100 lbs., \$11.00.

PERMANENT PASTURE MIXTURES

FOR every different kind and condition of soil there are a large number of grasses which are especially suitable. Some sorts do best on high ground and in dry weather; others prefer plenty of moisture. Some mature so early and others so late that from the beginning of Spring until Winter sets in there is no time when one species or another is not at its best.

PASTURE MIXTURE "A"—Good Moist Soils. Sow 25 pounds per acre. This is intended for the average soil. Use more seed where land is dryer. If stock does not keep down to six or ten inches use the mower to do so. Do not pasture too closely. This is well suited for "patching" your present pasture by disking or harrowing in. Price: 5 lbs., \$2.00; 25 lbs., \$7.50; 100 lbs., \$26.00.

PASTURE MIXTURE "B"—Dry, Hilly Uplands. Sow fifteen to twenty pounds per acre. Recommended for rolling ground, or where stones or sand in

soil demand drought-resisting varieties. Plow or disk in where possible, and on unplowed, stumpy or stony ground brush thoroughly. Price: 5 lbs., \$2.00; 25 lbs., \$7.50; 100 lbs., \$26.00.

PASTURE MIXTURE "C"—Shaded Pastures. Sow 25 to 30 pounds per acre. This is especially planned to suit the woods, which is often waste except for its timber. Get the seed on and into the ground; do not leave on top of the leaves. The more open use the more seed. Price: 5 lbs., \$2.00; 25 lbs., \$7.75; 100 lbs., \$30.00.

LAWN GRASS MIXTURES

ST. L. S. CO.'S HAVALAWN

(Name is registered in U. S. Patent Office.)

IS PROCURABLE only from us. Every package bears our green label. No other is genuine, and we will prosecute all infringements. See page 2.

FANCY KENTUCKY BLUE GRASS

THIS famous grass is well known in all sections. It generally grows well on any stiff or loamy soil, fertile and well drained in Central and Northern States. Kentucky Blue Grass is at its best in the Spring and Fall months, but being rather sensitive to heat, does not grow luxuriantly during Summer. It takes a considerable time to get a good stand of this, as it grows very slowly at the start, but, when once established forms a close, compact turf, making a fine lawn. Price: lb., 50c; 3 lbs., \$1.45; 10 lbs., \$4.50; 25 lbs., \$10.75.

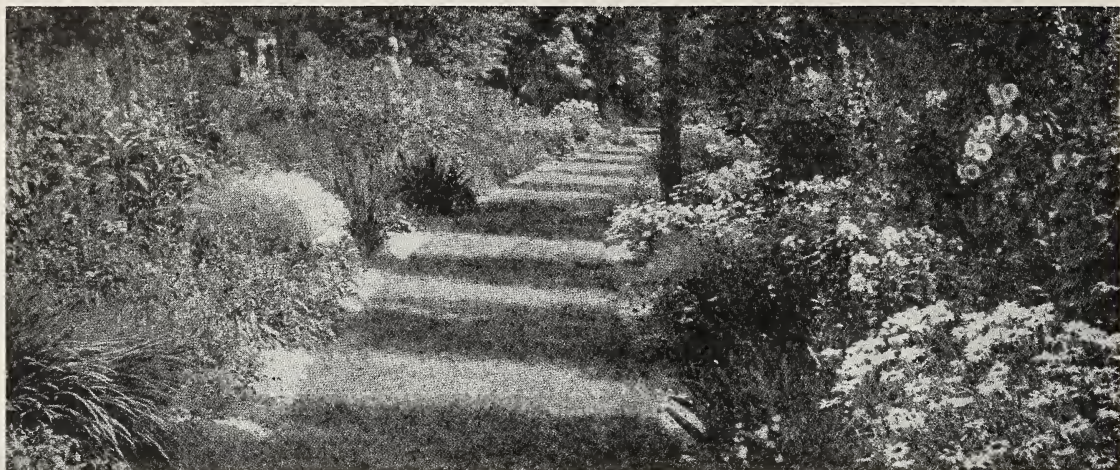
ST. L. S. CO.'S SHADY LAWN MIXTURE

THIS mixture is intended for all situations that are in partial or complete shade, and will be found invaluable on grounds lying under the shadows of trees or buildings. In preparing such places for the reception of grass seeds it is well to use air-slacked lime quite liberally. This mixture is a combination of the fine dwarf-growing evergreen varieties of grass, which grow naturally in the woods or in shaded spots. Sow thickly. Price: lb., 60c; 3 lbs., \$1.75; 10 lbs., \$5.50.

GOOD RESULT MIXTURE

THIS is intended for back yards, large playgrounds, etc., that are not intended to be kept cut as closely as other front lawns, and where grass is wanted quick to cover unsightly places. Price: lb., 35c; 3 lbs., \$1.00; 10 lbs., \$3.00.

Complete list of lawn grasses on pages 2 and 3.



GENERAL LIST OF FLOWER SEED

ST. LOUIS SEED COMPANY'S "PURE AND SURE" FLOWER SEEDS

SURROUND your house with flowers, the most refining and uplifting influence in the world. Nothing can add to the beauty of your home like a flower garden. Here you can spend many pleasant hours; It is an enjoyable task to plant them, watch them grow and pick them for ornaments.

Years of experimenting, testing and selection have made "Pure and Sure" Seeds the highest quality seeds that have ever been offered the lover of flowers. Everything that would aid in producing better seeds, more beautiful flowers, and finer, improved varieties, has been done and the acme of perfection has been reached in our "Pure and Sure" Flower Seeds.

To those who have never tried "Pure and Sure" Seeds, we request that you give them a trial. We know what the results will be and are confident that once you have tried them, you, like many others, will become a regular planter.

And as to price, let us merely remark that you can buy cheaper seeds, but it is impossible to buy better seeds. The final results are the only criterion of value in seeds, and the final results of "Pure and Sure" Seeds speak for themselves. A small trial order will convince you of the high quality and merits of our selected strains of Flower Seeds.

In presenting this list of **Flower Seeds** for your attention, every care has been taken to secure **seeds** from sources of supply known to us, and from our experiences to be of the highest possible merit. Our Flower Seeds are selected with an idea of superiority of strain, and we handle only the highest possible types in each respective class.

We mail all Flower Seeds **POSTPAID** to any Post Office in the United States.

The following abbreviations and designations will be of material aid in making selections:

1 designates **early**—blooming in Spring and early Summer.

2 designates **intermediate**—blooming in Midsummer.

3 designates **late**—blooming in late Summer and Autumn.

A represents **Annual**—lasting but one year.

B represents **Biennial**—lasting two years.

P represents **Perennial**—lasting three or more years.

S represents **Shrubs**—plants of bushy habit.

E represents **Evergreen**—retaining foliage the entire year.

G represents **greenhouse** plants.

Bu represents **bulbous** plant.

As a large number of Biennials and Perennials, if sown early, flower the first season, this distinguishing mark (‡) is affixed to such.

The hardiness is denoted by the following abbreviations, but it should be understood that this is intended to apply to the climate of the Middle States. Further north or south these designations apply only in a comparative way.

h represents **hardy**—plants for open border.

hh represents **half-hardy**—plants that require to be forwarded in pots or frames.

t represents **tender**—requiring protection.

GENERAL LIST OF FLOWER SEED

We mail all Flower Seeds POSTPAID to any Post Office in the United States.

ABRONIA UMBELLATA (Sand Verbena)

VERBENA-LIKE rose-colored flowers. Elegant trailing habit. 2; h. A. Price: Pkt., 10c.

ABUTILON (Flowering Maple)

A VERY ornamental pot plant. Handsome little bushes, covered with bell-shaped flowers in the daintiest and also strongest colors, dotted and veined. Bloom ready from seed the first summer, 2-3; g. S.; 4 ft. Mixed. Price: Pkt., 20c.

ACHILLEA (Milfoil or Yellow)

THE PEARL—One of the best hardy white perennials. Grows about two feet high, and from Spring till frost is covered with heads of purest white double flowers. A grand plant for cemetery decoration. Easily grown from seed, flowering the first season if sown early. Price: Pkt., 15c.

ACONITUM (Monk's Hood, Wolfsbane)

NAPELLUS BLUE—A hardy perennial, growing in any good garden soil, producing long spikes of curiously-shaped blue flowers. Well adapted for planting among shrubbery or in sharp corners of the garden; 3 to 5 feet. Price: Pkt., 10c.

ACROCLINIUM

A PRETTY everlasting, bearing graceful daisy-like flower, pretty bright rose with yellow center, which, when cut in the bud state, can be dried and used for winter bouquets; 18 in.; A. Double Mixed. Price: Pkt., 10c; oz., 60c.

ADONIS AESTIVALIS (Flos Adonis)

BEAUTIFUL dark scarlet flowers with light center. Of easy culture and showy. Fine cut foliage. A very pretty plant; 2-3 h. A.; 1 foot. Price: Pkt., 10c.

AGERATUM (Floss Flower)

ONE of the very best bedding plants, being literally a sheet of bloom from early summer till frost. Unlike many bedding plants, their flowers are not liable to be spoiled by rain, nor do the colors fade out.

Unlike the various blue varieties are, without doubt, the most satisfactory bedding plants of this color for our trying climate. Easily raised from seed, which is usually started in a hotbed or window and transferred to the open ground in May. Can also be sown outdoors in May. A sowing in September will give plants to bloom all winter. Half-hardy annual.

BLUE PERFECTION—This is the darkest colored of all large-flowering Ageratums. Color deep amethyst-blue; compact growth; fine bedder. Price: Pkt., 10c.

DWARF YELLOW—A fine bedding variety; 10 in. high. Price: Pkt., 10c.

LITTLE BLUE STAR—A variety of exceedingly dwarf and even growth; the tiny bushes, not over 4 to 5 inches high, are densely covered with bright blue flowers; a fine variety for edging. Price: Pkt., 15c.

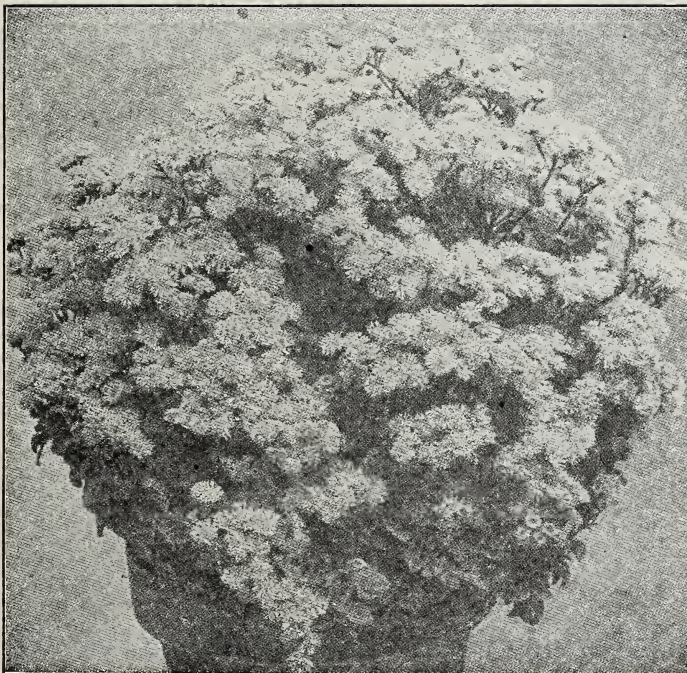
IMPERIAL DWARF BLUE—A handsome variety different from all other Tom Thumb sorts. The tiny bushy plants do not exceed 5 inches in height, with clusters of flowers of light blue, with a dark red center, changing to pure light blue. Price: Pkt., 10c; ½ oz., 50c.

IMPERIAL DWARF WHITE—Like above, except in color. Price: Pkt., 10c; ½ oz., 50c.

MEXICANUM MIXED—Blue and white; good for cutting; 18 in. Price: Pkt., 5c; oz., 50c.



Ageratum.





Ampelopsis.

ARCTOTIS GRANDIS

BLUE-EYED, or African Daisy—A remarkably handsome annual. It forms much-branched bushes 2 to 3 feet high; its flowers are large and showy, being pure white on the upper surface, the reverse of petals pale lilac-blue. There are few annual flowers grown in the garden more valuable for cut flower work than the Arctotis. It is easily grown from seed, and may be started in hotbed, in the house, or in the open ground, the seed germinating in about five days, and the plants may be expected to come into bloom early in July and continue until quite hard frost. It delights in a sunny situation. As a cut flower it is especially valuable, the blooms lasting a week or ten days in water, and if undeveloped buds are cut and placed in a sunny window, every one will open and produce as fine flowers as though left on the plant. **Price: Pkt., 10c.**

ASPARAGUS

PLUMOSUS NANUS—Probably the most popular house plant today. We sell thousands of florists who grow the pot plants. You can grow it for yourself and neighbors. The leaves are bright green, gracefully arched, surpassing Maidenhair Ferns in grace, delicacy of texture and richness of color. G. P. **Price: Pkt., 10c.**

SPRENGERI—Similar to Plumosus in coloring, only harder and more easily grown. 1 g. P. **Price: Pkt., 10c.**

AGROSTEMMA CORONARIA

(Rose Campion)

EXCEEDINGLY handsome and free-flowering. Red. h. P. 1½ ft. **Price: Pkt., 10c.**

AMARANTHUS

Beautiful colored foliage plants; succeeds best in sunny, dry locations.

TRI-COLOR (Joseph's Coat)—Makes a very pretty effect when used the same as Coleus. Keep it cut back to produce a symmetrical plant for edging; red, yellow and green; 2-3; t. A. 3 feet. **Price: Pkt., 10c.**

CHOICE MIXED.....**Price: Pkt., 5c**

PRINCE'S FEATHER—Dark red feathery flowers. **Price: Pkt., 10c.**

AMPELOPSIS

Boston or Japan Ivy

VEITCHII—Clings to the walls of wood, stone or brick. Dense foliage; glossy green; changing to red and yellow in Autumn. h. P. 40 feet. **Price: Pkt., 10c.**

ARABIS (Rock Cress)

ALPINA—A hardy perennial and one of the earliest and prettiest Spring flowers. The spreading tufts are covered with a sheet of pure white flowers as soon as the snow disappears. Unequaled for rockeries or edging; withstands the drought, and is always neat; 6 inches. **Price: Pkt., 10c.**

ALYSSUM (Annual)

THIS is one of the finest hardy annuals we have, and is beloved by many on account of its modest blossoms, very similar to white forget-me-nots. It is pleasantly fragrant, and just the thing for personal adornment or the breakfast table. It begins to blossom early in the season and blooms more or less constantly until Fall.

MARITIMUM (Sweet)—Of trailing habit; flowers white. **Price: Pkt., 10c; oz., 50c.**

CARPET OF SNOW—We know of no other white flower which is so particularly well adapted to borders, ribbons, etc., as our Carpet of Snow Alyssum. The plants commence to bloom when quite small, and will flower all Summer long, till late in the Fall. This habit, with its fragrance, makes it indispensable. h. A. **Price: Pkt., 10c; ½ oz., 35c.**

LITTLE GEM—The best variety for bedding. Very dwarf and compact. **Price: Pkt., 10c; ½ oz., 35c.**

LILAC QUEEN—A distinct, new annual variety with pure lilac colored flowers. The plants are of dwarf, compact growth and are equally as useful for carpet bedding and edgings as the dwarf white varieties. **Price: Pkt., 10c.**

SAXATILE—Hardy. A grand new variety of exquisite coloring. This new variety forms a perfect little bush with miniature flowers in great masses, of a bright yellow. This species is a hardy perennial, but blooms the first season from seed if sown early, grows about 12 inches high. **Price: Pkt., 10c.**

ANCHUSA

(Dropmore Variety)

ITALICA—One of the finest hardy plants of recent introduction, remarkable for its free and continuous flowering and the beautiful gentian-blue color of its flowers; grows about five feet high, and should be in every hardy border. **Price: Pkt., 10c.**

ANEMONE (Windflower)

A VERY pleasing perennial, producing large flowers; few plants compare with them in beauty; fine for bouquets. Sow outdoors in Spring, keeping shaded till the plants appear. P.

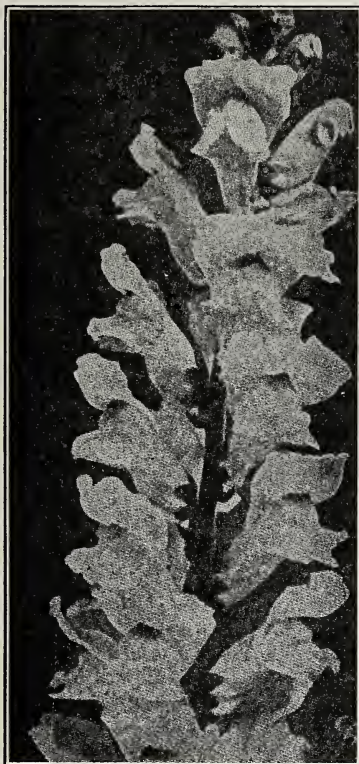
CORONARIA—Mixed colors. **Price: Pkt., 10c.**

ANTHEMIS (Hardy Marguerite)

KELWAYI—A most satisfactory hardy perennial, bearing all Summer daisy-like golden-yellow blossoms; excellent for cutting; 2 ft. **Price: Pkt., 10c.**



Anemone.



Antirrhinum.

IMPROVED GIANT-FLOWERING TALL

THE varieties offered below are the best and most improved of the largest-flowering sorts. The blooms are double the size of the old varieties and for a select strain of this great favorite, plant our improved strain.

DOUBLE MIXED—A new variety of great merit. A striking and lovely variety, soft, pink and the most pleasing and effective color. Price: Pkt., 15c.

GIANT VENUS—A delicate shade of pink. Price: Pkt., 10c.

GIANT PURPLE KING—The best Antirrhinum yet produced. It is of robust habit, the flowers being almost twice the size of any existing variety; the color is a deep, glowing purple, and they are borne in splendid spikes. Every garden should find a large planting of this beautiful variety. Price: Pkt., 15c. Pkt.

GIANT QUEEN VICTORIA—Very large flowers of a pure white color. Price: Pkt., 10c.

- Giant Garnet.....\$0.10
- Giant Scarlet......10
- Giant Striped......10
- Giant Rose......10
- Giant Yellow......10
- Giant Mixed..... Oz., 75c .10

LARGE-FLOWERING HALF DWARF

A **SPLENDID** type, growing about 18 inches high, and far superior to the other tall varieties for bedding purposes. Spike and flowers of good size. Pkt.

- Daphne—Soft blush pink.....\$0.10
- Defiance—Orange or russet red......10
- Golden Queen—Rich, pure yellow......10
- Crimson King—Rich, deep red......10
- Rose Queen—Rich rose......10
- Silver Pink......10
- The Bride—Pure White......10
- Half-Dwarf Mixed—

All the colors..... Oz., \$1.00 .10

AQUILEGIA

NO HARDY plant grown from seed is more easily handled than the Columbine.

Seed may be planted in the open ground early in Spring, and will, in the case of the single varieties, bloom the same season; or they may be planted in August or September, and will come up early in Spring and make vigorous plants, which will bloom abundantly during late Spring and early Summer. H. P.

CALIFORNICA HYBRIDS—Exquisite flowers, in yellow and orange shades, all with low spurs. Price: Pkt., 10c.

LONG-SPURRED HYBRIDS—This beautiful strain of Columbines comprises new and pleasing shades and combinations, ranging through all the shades of lavender, blue, mauve, white, yellow, orange, scarlet and bright rose-pink. The plants are perfectly hardy. Price: Pkt., 10c.

	Price
	Pkt.
CHRYSANTHA (Golden Spurred) —Golden-yellow.....	\$0.10
CANADENSIS —Scarlet and yellow.....	.10
FLABELLATA —Japan white.....	.10
COERULEA —Splendid light blue and white.....	.10
DOUBLE —All colors mixed..... Oz., 60c	.10
SINGLE —All colors mixed..... Oz., 50c	.10

ANTIRRHINUM

Half Hardy Perennial Treated as an Annual.

ANTIRRHINUMS or Snapdragons have increased in popularity within the last few years until now, when used for cutting or grown in the garden for display, they rival even the sweet pea in beauty and gracefulness. They are one of the most valuable flowers that grow from seed.

Seed sown out of doors the first week of May will bloom early in July, remaining in full flower until November. For earlier flowering they may be started indoors or in a frame in March, transplanting them to the open when the weather is suitable.

Snapdragons thrive best in positions partly shaded from the sun. It reproduces itself freely from seeds which ripen in abundance and may frequently be seen growing scattered throughout the garden.



Aquilegia.

ASTERS

Choicest Varieties for Summer Flowering

ASTERS will thrive in any good soil, prepared in the same way as you would for a crop of vegetables, but it is well to remember that any extra care taken in the preparation of the soil is repaid by finer plants, larger blooms, with longer stems and more profuse flowering. They should have an open, sunny position, and prefer a good, heavy, loamy soil. For early flowering, seeds should be started in a sunny window, hotbed or coldframe in April and transferred to their place in the garden as soon as danger of frost has gone by. For August (midseason) and September (late) sow seeds outside in finely prepared ground in May, thinning out to one foot in the rows and two feet between. With the above prescribed treatment and frequent cultivation of plants to insure a steady growth until flowering, excellent large blooms with long stems can be obtained.

EARLY AMERICAN BEAUTY ASTER

THE New Early Beauty Asters, coming into bloom at the time the Royal Asters leave off and before the King Asters appear, are early enough to be grown in any place where early Asters will bloom. The plants carry the wonderful characteristics of the late parents, being majestic in growth and of a strong, upright character. It goes without saying that such strong plants produce an enormous mass of flowers. The blooming season extends over quite some time, and if the flowers are cut regularly they will continue to bloom until frost. The flowers are of enormous size, round, and fully double. The individual petals curve inward, giving the whole a ball-shaped appearance. The outer petals are turned backward and greatly add to the gracefulness and airy effect of the flowers. These fine blooms are always borne on long and strong stems, making them most suitable for cutting. The flowers measure 4 to 5 inches in diameter and are always of perfect round shape, never showing any yellow centers.



	Pkt.		Pkt.
CARMINE ROSE	\$0.15		
LAVENDER	.15	WHITE	.15
ROSE-PINK	.15	MIXED	.15
SEPTEMBER BEAUTY, Delicate Flesh Pink	.15		

KING ASTERS (Needled Type)

THE "King" Asters form a distinct class of type, and have many sterling qualities to recommend them to lovers of fine Asters. They are of strong, sturdy habit, growing fully 18 inches high, and bear from August to October very large double blossoms, the petals of which are more or less quilled, forming a very attractive flower.

	Pkt.
Crimson. The richest and deepest crimson	\$0.10
Lavender. Soft lavender blue	.10
Shell Pink. An attractive delicate shell pink	.10
Rose. A beautiful brilliant rose variety	.10
White. Pure white	.10
Mixed	.10

IMPR. GIANT CREGO ASTERS

WE CONSIDER this one of the finest and largest of all Asters, bearing immense fluffy flowers five inches and over in diameter, as fine as any Chrysanthemum, and when cut keep in good condition longer than any other of this type. We offer eight colors, viz:

	Pkt.		Pkt.
Crimson	\$0.10	Pink	.10
White	.10	Shell Pink	.10
Azure Blue	.10	Lavender	.10
Purple—Bright	.10		
Rose—Rich deep rose	.10		
Mixed	1/2 oz., 90c; Pkt.,		.10

QUEEN OF THE MARKET ASTER

AN EXTRA EARLY variety, bearing large double flowers; plants of branching habit, having long stems, 2 feet.

	Pkt.		Pkt.
White	\$0.10	Crimson	\$0.10
Lavender	.10	Blush Pink	.10
Light Blue	.10	Purple	.10
Dark Blue	.10	Rose	.10
Mixed	1/2 oz., 50c; Pkt.,		.10



American Beauty Aster

ST. L. S. CO. NOVELTY MIXED ASTERS

THIS superb mixture is composed of all new novelties of recent introduction. The plants form strong, branching bushes, 2 to 2½ feet high, bearing on long, strong stems their handsome Chrysanthemum-like flowers. Price: Pkt., 15c; 2 pkts. for 25c.

GIANT COMET ASTERS

FLOWERS of immense size, often 6 inches across, composed of long, wavy, twisted petals, gracefully formed into loose, yet densely double half-globes. Each plant bears 15 to 20 flowers on very long stems, making them especially valuable for cutting.

	Pkt.		Pkt.
White	\$0.10	Dark Blue	\$0.10
Rose .....	.10	Crimson .....	.10
Light Blue .....	.10	Lavender .....	.10
Royal Purple .....	.10	Shell Pink .....	.10
Rose Pink .....	.10	Mixed ½ oz., 90c.....	.10

ST. L. S. CO.'S LATE BRANCHING ASTER

THE superb strain, of American origin and especially adapted to our climatic conditions, now one of our leading specialties, extraordinary care being given each season to the selection of the very finest specimens for stock seed.

The plants form strong, branching bushes, 2 to 2½ feet high, bearing on long, strong stems their handsome Chrysanthemum-like flowers.

	Pkt.		Pkt.
Pure White	\$0.10	Flesh Pink	\$0.10
Light Blue .....	.10	Lavender .....	.10
Rose .....	.10	Crimson .....	.10
Purple .....	.10	Peach Blossoms .....	.10
Mixed.....	Pkt., 10c; ½ oz., 75.		

ROYAL ASTERS

A BEAUTIFUL class and the best of the early Mid-Season Asters. The plants are of branching habit, about 2 feet high; the flowers being larger, very double, and the stems are longer, stronger and more upright in growth. The petals are broad and incurved or shell-shaped, giving the flower a charming and distinct effect. They are vigorous and sturdy growers, branching from the base of the plants. Although early—Mid-Season Asters—they remain in flower a long time; the flowers being of splendid substance; splendid cut flower type.



St. L. S. Co.'s Late Branching Aster.

	Pkts.
White	\$0.10
Lavender .....	.10
Shell Pink .....	.10
Purple .....	.10
Rose Pink .....	.10
Mixed, ½ oz., 75c;.....	.10

CHRYSANTHEMUM-FLOWERED ASTERS

BUSHY plants, bearing large perfectly double flowers, fine for either gardens or pot culture. **Finest Mixed Colors. Price: Pkt., 5c; oz., \$1.00.**

HARDY PERENNIAL ASTER

MIXED (Michaelmas Daisies)—Single fall-flowering, hardy herbaceous plants, thriving in any good garden soil. If sown early they will flower the first season; 3 ft. **Price: Pkt., 10c.**

CHINA ASTERS

SINGLE MIXED—Within late years the single Asters have much gained in favor with the flower lovers. Our mixture contains all the leading colors, well blended. **Price: Pkt., 5c; oz., 75c.**

BALLOON VINE (Love-in-a-Puff)

A RAPID growing annual climber; succeeds best in light soil and warm situation; flowers white; seed vessels look like miniature balloons. 5 to 10 feet, hh. A. Price Pkt., 5c.

BALSAM (Lady Slipper)

AN OLD favorite garden flower, producing its gorgeous masses of beautiful, brilliant-colored double flowers in the greatest profusion; of easiest culture; succeeds in a good, rich soil. Tender annuals. 2 feet.

CAMELLIA FLOWERING DOUBLE—The flowers are very large, measuring from two to three inches in diameter, of perfect form, resembling the flower of the Camellia, and are as double, in fact, the petals are so densely produced that the yield of seed is extremely small, one single plant often producing not more than five seeds.

White	Pkt. \$0.10	Salmon Rose	Pkt. \$0.10
Light Pink	.10	Rose King	.10
Scarlet	.10	Mixed	.10
Rose Flowering—Double Mixed,	5c; oz., 35c.		

APPLE—A beautiful climbing plant; handsome apple-shaped fruits. Makes dense shade. The fruits preserved in alcohol make a useful liniment. hh. A. 15 to 20 feet. Price: Pkt., 5c.

PEAR—Fruits are smaller than the apple. Price: Pkt., 5c.

BELLIS-PERENNIS OR DOUBLE DAISY

GREATLY improved varieties of the popular "Double Daisies." Admirably adapted for edgings, borders and low beds, and also well suited for growing in pots. Although perennials, they will flower the same season if the seed is sown early, though it is preferable to sow in fall, and winter the plants in cold frames. Height, 6 inches.

LONGFELLOW, ROSE—Extra large double rose-pink flowers. Price: Pkt., 10c.

SNOWBALL, WHITE—Usually large very double, pure white flowers. Price: Pkt., 10c.

DOUBLE, MIXED COLORS—Price: Pkt., 10c.

SHASTA DAISY—See Chrysanthemum Leucanthemum. Page 45.

DAISY AFRICAN GOLDEN—See Dimorphotheca. Page 47.

BRACHYCOME (Swan River Daisy)

IBERIDIFOLIA MIXED—Very effective in edgings, beds, and rustic baskets. Good for house culture in winter. Always in full bloom. hh. A. Price: Pkt., 10c.



Balsam

BEAN, SCARLET RUNNER

A GREAT favorite in England and Europe, not only as an ornamental climber, but for the delicious edible beans. Price: Pkt., 10c; ½ lb., 25c; 1 lb., 45c.

BEGONIA

A BEAUTIFUL flower of various colors. Blooms in constant profusion from early Summer until late Fall, and an excellent plant for Winter blooming. T. P.

PRIMA DONNA—Limpid rose, shading to carmine at the center; everblooming. Price: Pkt., 15c.

ERFORDIA—As pot plants for Winter flowering they are superb, remaining a sheet of bloom throughout the entire year. Easily raised from seed, which should be started either indoors or in a hotbed. Price: Pkt., 15c; 2 for 25c.

LUMINOSA—Brilliant, fiery dark scarlet; very bright. Price: Pkt., 15c; 2 for 25c.

DWARF VERNON—Bright orange-carmine flowers, deep red foliage. Price: Pkt., 15c; 2 for 25c.

FINE MIXED—Similar to above, mixed. Price: Pkt., 10c.

CACALIA (Tassel Flower)

A PRETTY free-blooming plant with tassel-shaped flowers, also called Devil's Paint Brush. Of easy growth; annual; 18 inches. Price: Pkt., 10c.

CALENDULA H. A.

LARGE double flowers, blooming all Summer, closing somewhat at night and opening slightly on cloudy days; flowers borne on long, stiff stems. 2 ft.

LEMON QUEEN—Very large and extremely double flowers of a pleasing rich lemon-yellow, dark eye. Price: Pkt., 10c.

PRINCE OF ORANGE—Golden yellow. Price: Pkt., 10c.

ORANGE KING—Very large double orange-red. Price: Pkt., 10c.

METEOR—Creamy center, edged with orange. Price: Pkt., 10c.

NANKEEN—A very distinct variety, the double flowers of a creamy-yellow, slightly flushed apricot, dark brown eye. Price: Pkt., 10c.

DOUBLE MIXED—Price: Pkt., 5c; oz., 35c.



Calendula

ST. LOUIS SEED COMPANY—"Pure and Sure" Seeds

CALCEOLARIA

COLORS—Yellow, maroon, white, etc., spotted and blotched in the most unique fashion. 1½ feet. Large flowered. Mixed. **Price: Pkt., 25c.**

CALLIOPSIS

ONE of the most showy flowers, very easily grown; will thrive almost anywhere without trouble or care. A favorite for the home yard or lawn. **h. A.**

CRIMSON KING—A fine dwarf sort, 9 inches high; color rich velvety crimson-garnet. **Price: Pkt., 10c.**

CROWN OF GOLD—Large, rich, golden-yellow, 18 inches. **Price: Pkt., 10c.**

DRUMMONDI—Rich golden yellow. **Price: Pkt., 10c.**

GOLDEN RAY—Dwarf, compact plants, not over 9 inches high, covered with flowers of rich maroon, edged with golden yellow and having twisted petals like a Cactus Dahlia. **Price: Pkt., 10c.**

SUPERB HYBRIDS, MIXED—Unlike other varieties, this is a fine bedding plant, besides being useful for bouquets. The colors are richer and more varied. Above 14 inches. **Price: Pkt., 10c.**

TALL MIXED—Valuable for mixed beds and borders. About 1 ft. **Price: Pkt., 5c; oz., 40c.**

CELOSIA (Coxcomb)

BEAUTIFUL plumes of brilliant colors, **hh. A.** Being fine for vases, and of splendid foliage. Celosia is the finest of all novelty plants, producing very large ostrich-feather-like plumes.

THOMPSON'S MAGNIFICA—A new improved strain. Colors: Golden Yellow, Fiery Scarlet, Purple, Salmon, Blood-red, etc. **Price: Pkt., 10c**

TALL CRIMSON **Price: Pkt., 10c**

TALL GOLDEN **Price: Pkt., 10c**

CELOSIA, CRISTATA (Coxcomb)—They make attractive beds planted a mass or as a border for other plants.

DWARF MIXED **Price: Pkt., 10c**

GLASGOW PRIZE—The best dwarf crimson sort, with handsome dark foliage. Combs very large and solid. **Price: Pkt., 10c.**

CELOSIA CHILDSII—See **Woolflower** on Page 63.

CAMPANULA (Canterbury Bells)

VERY beautiful, hardy, herbaceous perennial, bearing a great profusion of attractive Bell-flowers; thrives best in light, rich soil; some of the varieties flower first season if sown early.

MEDIUM CALYCANTHEMA.

	Pkt.		Pkt.
Blue	\$0.10	Striped	\$0.10
White .....	.10	Mixed .....	.10
Rose .....	.10		



Calliopsis



Carnation

CANNA H. A.

CANNAS are famous for their luxuriant growth and immense Gladiolus-like flowers of most brilliant colors; their profusion and continuity of bloom under all climes and conditions render them easily the most useful, showy and universally popular garden plants grown. Mixed. **Price: Pkt. 10c**

CANARY-BIRD VINE

(Tropaeolum Canariense.)

A **BEAUTIFUL** rapid annual climber, the charming little canary-colored blossoms bearing a fancied resemblance to a bird with its wings half expanded. **Price: Pkt., 10c.**

CANDYTUFT (Iberis)

THE Candytuft is almost as fragrant as the sweet Alyssum and very popular. Very useful as a bedding plant or for border work. Sow outdoors in April, where they are to bloom, and thin well when the plants grow about 1 inch. Sow also in July for fall blooming. Where grown in rows best results for cut-flowers can be obtained only by giving the plants at least a foot apart in the rows and 1½ feet between the rows. **H. A.**

EMPRESS—The best pure white and the best for cut flowers; fragrant. **Price: Pkt., 10c; ½ oz., 25c.**

GIANT HYACINTH-FLOWERED—As a result of extra care and painstaking selection this is now the finest of all the white varieties, being a complete mass of pure white flowers, in a pyramid of bloom. **Price: Pkt., 10c; ½ oz., 40c.**

	Pkt.		Pkt.
Umbellata Carmine ...	\$0.10	Umbellata Lavender ...	\$0.10
Crimson ...	.10	" Rose Cardinal ..	.10

MIXED—**Price: Pkt., 5c; oz., 35c.**

(Hardy Candytuft)

GIBALTARICA HYBRIDA—White flowers, shading to lilac. **Price: Pkt., 10c.**

SEMPERVIRENS—A profuse, white-blooming, hardy perennial coming in flower early in the spring; much used for cemeteries, rockeries, etc. 1 foot. **Price: Pkt., 10c.**

CARNATIONS H. H. P.

CARNATIONS are general favorites for their delicious fragrance and richness of colors. The Marguerite and Chabaud's types are the best for summer flowering.

CHABAUD'S EVER-BLOOMING MIXED—Resembles the Marguerite Carnation, but is perpetual growing or perennial. Exquisite colors, large flowers. **Price: Pkt., 20c.**

GIANT-FLOWERING MARGUERITE MALMAISON—The flowers of this wonderful strain often measure 3 inches across. Include white, blush, deep pink, salmon, carmine, scarlet, dark crimson, maroon, and many beautiful variegated flowers. **Price: Pkt., 15c.**

	Pkt.		Pkt.
Marguerite Pink	\$0.10	Marguerite Red	\$0.10
Marguerite White .....	.10	Marguerite Yellow .....	.10

MARGUERITE MIXED—These beautiful Carnations succeed in any good situation. Exquisite in color. **Price: Pkt., 10c; ½ oz., 50c.**

CARDINAL CLIMBER

WE CONSIDER it the most beautiful and brilliant annual climber ever sent out. It is a strong and rapid grower, attaining a height of 30 feet or more, with beautiful fern-like, lacinated foliage and literally covered with a blaze of circular fiery cardinal-red flowers from mid-Summer till frost. The flowers are about 1½ inches in diameter, and are borne in clusters of 5 to 7 blooms each. **Price: Pkt., 15c; 2 pkts. for 25c; ½ oz., 75c.**



CENTAUREA

(Cora Flower, or Bachelor's Button)

THIS favorite, old-time flower is also known as Ragged Sailor, Blue Bottle, etc. It is a free flowering bloomer, very showy, growing from 2 to 3 feet high and is largely used for cut flowers. It grows in any soil and almost equals the Aster popularity. h. A.

CYANUS SINGLE BLUE—Rich, deep blue, 1½ feet. **Price: Pkt., 10c.**

CYANUS SINGLE MIXED—Contains all the popular colors, 1½ feet. **Price: Pkt., 5c; ½ oz., 25c.**

CYANUS DOUBLE MIXED—A much better strain than the above. Bunch this with Sweet Peas and it makes a pretty combination. **Price: Pkt., 10c.**

DOUBLE BLUE—This was introduced in 1907, and is now a standard variety and largely used by the commercial florist, who quickly recognized its value as a cut flower. **Price: Pkt., 10c.**

DOUBLE ROSE PINK—A splendid variety for cutting, color clear rose-pink. **Price: Pkt., 10c.**

IMPERALIS (Giant Royal Sweet Sultans)—This is a new type of annual Centaurea. Bushes are from 3 to 4 feet in height, flowers are finely fringed, soft and feathery, and frequently 3 inches across. Fine for cutting and of a strong, hardy constitution.

	Pkt.		Pkt.
Brilliant Pink	\$0.10	Rose	\$0.10
Lavender .....	.10	White .....	.10
Purple .....	.10	Mixed .....	.10

ODORATO MARGUERITE—Distinct from all other varieties. Flowers pure white; exceedingly fragrant; long stems. The centers are full and double. Grows quite bushy and of the easiest culture. **Price: Pkt., 10c.**

CANDISSIMA—Ornamental Leaved Centaurea (Dusty Miller)—For bedding, hanging baskets and pots and for edging of beds where white basket foliage is desired. Easily raised from seeds. Silvery white, finely cut leaves. 1 foot. **Price: Pkt., 10c.**

GYMNOCARPA—Leaves not so white as the above. 1½ feet. **Price: Pkt., 10c.**

MONTANA—Blue; hardy. **Price: Pkt., 10c.**

CINERARIA H. H. P.

MAGNIFICENT flowering plants for Spring decorations for the conservatory or window garden. The flowers measure 2 to 3 inches across, are of white, blue, violet and crimson shades; usually two or more colors are shown in one flower, covering the plant with a sheet of blooms.

GIANT PRIZE—Our best. **Price: Pkt., 20c.**

HYBRIDA GR. FL. STELLA (Star Cineraria)—A charming variety, with large spreading panicles of starry Cineraria; the extreme grace and elegance of the plant and flowers make them wonderfully effective for the decoration of the house and conservatory and especially so for church decorations; also useful for cutting. **Price: Pkt., 15c.**



Cardinal Climber

CHRYSANTHEMUMS

THE real beauty of these Royal Flowers of the Orient is well known. There are many people, however, who do not realize how easily they may be grown from seed, and that all of the magnificent new varieties were raised from hybridized seed, similar to that which we are now offering. H. A.

BRIDAL ROBE—Of very compact and upright habit; 10 inches in height; the sturdy plants throw out their finely feathered foliage from the base and deck themselves with a mantle of extra double pure white flowers. Price: Pkt. 15c.

CORONARIUM—One of the latest introductions in the Chrysanthemum world. Owing to its magnificent golden yellow and white shades, it is fast becoming a florist favorite. Pkt.

Coronarium Dble. White\$0.10
 " " Yellow10
 " " Mixed10

ECLIPSE—Yellow with dark brown disk. Price: Pkt., 10c.

MAXIMUM KING EDWARD VII (Moonpenny Daisy)—Considered the finest of all, with flowers of extraordinary size, or purest white, perfect form, and exceedingly free-flowering. A splendid addition to this useful hardy perennial. Price: Pkt., 10c.

LEUCANTHEMUM (Shasta Daisies)—A splendid hardy perennial variety, with flowers rarely less than 5 inches across, of the purest glistening white, with broad, overlapping petals, and borne on long, strong stems; a beautiful cut flower, remaining in good condition a week or more. Price: Pkt., 10c.

CLARKIA

THIS pretty and easily grown annual has been much improved in recent years, growing 2 to 2½ feet high, with leafy racemes of double flowers. Price: Pkt., 10c.

CLIMBERS, RAPID MIXTURE

THIS mixture contains flowers of gigantic size, and the coloring and markings beyond description. The seed we offer is of our own importation direct from Japan, and embraces all variations, which are really the most handsome, semi-doubles, quilled and frilled, crimped and scalloped, and double. A. Price: Pkt., 10c; oz., 40c.



Coreopsis



Shasta Daisy

CLEMATIS

HYBRIDS (Mixed)—The best known and most valued variety. A great variety of colors. Hardy. Price: Pkt., 10c.

PANICULATA (Climbing)—15 ft. Fall-flowering vine with white flowers. For plants see Climbing Vines. Price: Pkt., 10c.

CLEOME (Giant Spider Plant)

LARGE spikes of rosy carmine flowers. Large bushy plants; 3, to 4 feet high. h. A.

GIGANTEA—The finest strain. Price: Pkt., 10c.

COLEUS

COLEUS grown from seed make very thrifty plants the first season. For sub-tropical groups the endless variety and combinations of brilliant colors are very captivating. T. P. Price: Pkt., 20c.

COBAEA (Cup and Saucer Vine)

A CLIMBER of rapid growth, attaining a height of 30 to 50 feet during the season; valuable for covering trellises, arbors, trunks of trees, etc.; will cling to any rough surface.

SCANDENS, BLUE—Large, bell-shaped purple flowers. Price: Pkt., 10c.

SCANDENS, WHITE—Pure white. Price: Pkt., 10c.

COREOPSIS

LANCEOLATA GR. FL.—One of the finest hardy garden plants grown, forming large clumps 2 to 3 feet high, and increasing in beauty, luxuriance and floriferousness each year, though it flowers the first season from seed sown early, producing immense, long-stemmed, rich yellow flowers, shaded with orange, flowering in profusion for a long period during the Summer; unequaled for cutting; grows anywhere. Price: Pkt., 10c; ½ oz., 35c.

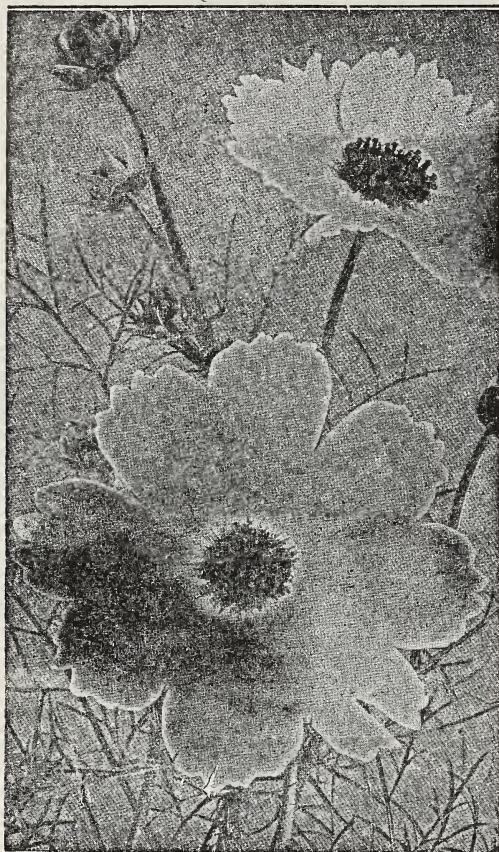
COTTON

GROWN extensively for decorating purposes. Very showy and attractive. Price: Pkt., 10c; oz., 20c.

CUPHEA (Cigar Plant)

A VERY pretty border plant. Very showy for borders and bedding. Dwarf habits. H. H. P.

PLATYCENTRA—A favorite Cuphea. Price: Pkt., 10c.



Single Cosmos

DOUBLE COSMOS

THESE new hybrids form bushy plants 5 to 6 feet high and flower profusely during the Autumn months. Only 40 to 50 per cent of the plants will bear double flowers, the balance producing large single blossoms, the reason being that the double flowers are pistillate—having no stamens and consequently bear no pollen—so to produce seed must depend upon staminate singles for pollination. The progeny, therefore, comes about half doubles and half singles. Double Cosmos flowers, aside from their novelty and beauty, are of lasting substance, both on the plants and as cut flowers.

- PINK BEAUTY**.....Price: Pkt., 10c
WHITE QUEEN.....Price: Pkt., 10c
CRIMSON KING.....Price: Pkt., 10c
Mixed.....Price: Pkt., 10c

CYPRESS VINE

ONE of the most popular vines, with very delicate fern-like foliage, and masses of beautiful, small, star-shaped flowers. Sow in May, first soaking the seeds in warm water for a few hours. 15 feet.

- | | | |
|--------------------------------------|--------|--------|
| | Oz. | Pkt. |
| Scarlet | \$0.30 | \$0.10 |
| White | .30 | .10 |
| Mixed—White and Scarlet | .25 | .05 |

CYPERUS (Umbrella Plant)

ALTERNIFOLIUS—An excellent plant for growing in water and damp places; makes a very ornamental house plant, always presenting a green and attractive appearance. Price: Pkt., 10c.

COSMOS

THIS beautiful annual is one of the most showy and useful of our garden plants. Plants grow from 4 to 6 feet in height, and are very bushy and compact. Flowers borne on long, delicate stems, and are similar to single dahlias. Foliage very finely cut. Excellent for cutting.

MAMMOTH EARLY

THE long-stemmed flowers are of immense size, frequently measuring 5 inches across. The petals are broadly oval and overlap, forming a circular flower of perfect symmetry, having splendid substance and lasting qualities.

- | | | | |
|----------------------|--------|--------------------|--------|
| | Pkt. | | Pkt. |
| Crimson | \$0.10 | Pink | \$0.10 |
| White | .10 | Mixed | .10 |

HYBRIDA FINEST MIXED—Seed, if sown in March and April, will flower during July. Our seed is all grown from our special strain. 4 ft. Price: Pkt., 5c; oz., 35c.

GIANT FLOWERING

BROAD petals, oval-shaped, and overlapping, and the perfect shape of the flowers, and the long lasting quality of this variety readily makes it a garden flower of great merit.

For Autumn flowering, planted either in broad masses or backgrounds, it is very effective.

- | | | | |
|------------------------------|--------|---------------------------|--------|
| | Pkt. | | Pkt. |
| Crimson | \$0.10 | Finest Mixed | \$0.10 |
| Orange (Klondike) ... | .10 | Oz. | .40 |

LADY LENOX, PINK—Lovely shell-pink, lighting up well at night. Price: Pkt., 10c; oz., 50c.

LADY LENOX, WHITE—A fine pure white selection from the above. Price: Pkt., 10c; oz., 50c.



Double Cosmos

DAHLIA

DAHLIAS can be grown easily from seed so as to produce flowers the first year. This is as true of double Dahlias as of single. In the Dahlia are combined more desirable qualities than are found in almost any flower grown in the open ground. It can be had in perfection from June until cut down by frosts. In it can be found not only every imaginable color except blue, but the most beautiful combination of colors and marvelous blending of shades and tints imaginable. As a cut flower the Dahlia is unsurpassed, owing to its great diversity of bloom and the brilliant lustre of its colorings.

- DOUBLE MIXED Pkt. \$0.10
- SINGLE MIXED10
- CACTUS MIXED10

COLLARETTE—Flowers of various colors, with a collar of small petals around the center; novel and beautiful. Price: Pkt., 10c.

DRACAENA

Indivisa (Dragon Plant)

BEAUTIFUL ornamental-leaved plants; long, narrow, green foliage; indispensable for vase and house decorations. Price: Pkt., 10c.

DATURA

ANGEL'S "TRUMPET"—A new annual variety and exceedingly fine, bearing great trumpet-like flowers, 6 to 8 inches long, with double frilled interiors; sweet-scented; plants 4 feet high, bushy and free-flowering, of fine sub-tropical effect in the garden. Mixed. Price: Pkt., 10c.

DIMORPHOTHECA

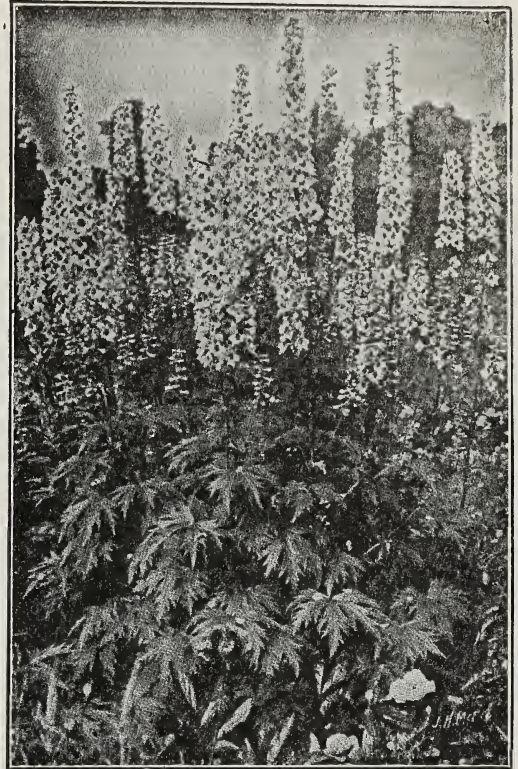
African Golden Daisy

AURANTIACA—1 ft. Rare and very showy annual from South Africa, having daisy-like flowers of a glossy salmon-orange shade with black central ring, a lovely color when flowers open in the sun. Price: Pkt., 10c.

DIGITALIS (Foxglove)

HANDSOME and highly ornamental hardy plants of stately growth. Blooms during June and July. 3 to 5 feet.

GLOXINIAEFLORA MIXED—This is a fine strain of the ordinary Foxglove, with handsome spotted Gloxinia-like flowers on long spikes. Price: Pkt., 10c.



Delphinium

DELPHINIUM

(Perennial Larkspur)

THERE is perhaps no better known hardy plant than the Delphinium. The beautiful flowers borne on tall stately spikes are a gorgeous sight and a charm to the garden. Sow seeds in early Spring in shallow boxes indoors or in a hotbed. Set out 6 inches apart in the garden. In the fall they may be lifted and set out in groups of colors; three or four plants at a distance of 3 feet apart, in the rear of hardy perennials, where they make a fitting background.

BELAMOSUM—A rich, deep blue form of the popular light blue Belladonna. Price: Pkt., 15c.

BELLADONNA—This is one of the finest and most continuous-blooming hardy Larkspur. The clear turquoise-blue of its flowers is not equaled for delicacy and beauty. Price: Pkt., 15c.

FORMOSUM—Large; rich dark blue, white center; borne on spikes 2 to 3 feet tall; one of the most popular varieties. Price: Pkt., 10c.

ST. L. S. CO.'S HYBRIDS—This splendid strain is of strong, vigorous habit, with immense spikes from 2 to 3 feet long, of large flowers mostly in fine shades of light blue. Price: Pkt., 10c.

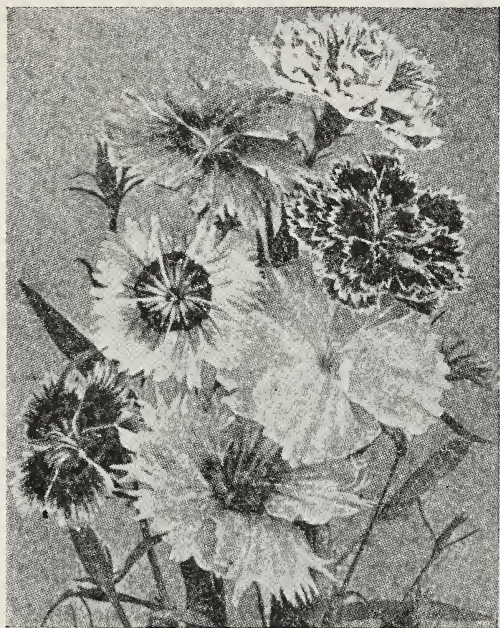
CHINESE BLUE—A distinct and neat variety, growing about 18 inches high, with fine, feathery foliage, and producing freely spikes of large blossoms of intense gentian-blue. Price: Pkt., 10c.

CHINESE ALBUM—The white-flowered form of the preceding. Price: Pkt., 10c.

CHINESE MIXED—Price: Pkt., 10c.



Dahlia



Dianthus or Pinks.

DIANTHUS or PINKS

THE family of Pinks is unrivaled for brilliancy and rich variety of color; the plants are bushy, of symmetrical form—blooming perfectly until fall, rendering them most satisfactory for Summer flower gardens. Sow out-of-doors when danger of frost has passed and they will, in several weeks, become a mass of bloom, continuing until frost.

DOUBLE ANNUAL

CHINENSIS FL. PL. (China, or Indian Pink)—Blooms in clusters, flowers very double and bloom in a large range of bright colors. Price: Pkt., 5c; ½ oz., 25c.

FIREBALL—Extra double brilliant dark scarlet, very beautiful. Price: Pkt., 10c.

SNOWBALL—Large double white; excellent for border or cutting. Price: Pkt., 10c.

LACINIATUS FL. PL. (Double Fringed Pink)—Large double flowers, edges fringed; in a great variety of colors. Price: Pkt., 10c.

SINGLE ANNUAL

THESE single sorts contain many beautiful varieties, flowers often measuring 2 to 3 inches in diameter, and are very effective for borders or beds.

LACINIATUS (Single-Fringed Pink)—A beautiful fringed variety; various colors. Price: Pkt., 10c.

HARDY GARDEN PINKS

LARGE Double-Flowering Grass or Spice Pinks—These are great improvements over the charming time-honored inhabitants of old-fashioned gardens. The flowers are large and borne profusely on short, stiff stems.

PLUMARIUS, SINGLE MIXED (Pheasant's Eye)—Price: Pkt., 10c.

PLUMARIUS, DOUBLE NANUS ERFURT—Price: Pkt., 10c.

DIDISCUS

COERULEUS (Blue Lace Flower)—An annual, blooming from July until frost; color, pale lavender; excellent for cutting. Price: Pkt., 10c.

DOLICHOS

(Hyacinth Bean)

A **RAPID-GROWING** annual climber, flowering freely in erect racemes, followed by ornamental seed-pods; for covering arbors, trellises, etc. Sow the seed in the garden in beds where they are to remain. 10 feet.

WHITE—This grand Hyacinth Bean comes from Japan. Seed sown late in May will, by the middle of July, often attain a height of 10 feet. Price: Pkt., 5c; oz., 15c.

PURPLE—The most beautiful purple. Price: Pkt., 5c; oz., 15c.

MIXED COLORS—Price: Pkt., 5c; oz., 10c.

LIGNOSIS (Australian Pea Vine)—A rapid growing evergreen climber, flowering freely in clusters of rose pea-shaped flowers. For covering arbors, trellises, etc., it has no superior. Price: Pkt., 10c.

ERYSIMUM

THIS Annual Border Plant is one of the sweetest scented annuals in cultivation. It is of a beautiful orange yellow coloring. h. A. 3 feet.

PEROFSKIANUM—The favorite orange coloring. Price: Pkt., 10c.

EUPHORBIA

(Poinsettia)

VARIEGATA (Snow-on-the-Mountain)—Is very popular. Green foliage, veined and margined white; 2 to 4 feet. h. A. Price: Pkt., 10c.

HETEROPHYLLA (Mexican Fire Plant or Fire-on-the-Mountain)—An annual, resembling the beautiful hothouse poinsettia in habit and color. About 3 feet. Price: Pkt., 10c.

ESCHSCHOLTZIA

(California Poppies)

BEAUTIFUL and popular annuals, being of the earliest culture and giving great satisfaction. From Spring-sown seeds they flower profusely until late in the Autumn, making them invaluable bedding plants. h. A.

CALIFORNICA—Bright yellow. Price: Pkt., 10c.

CARMINE KING—Carmine-rose on both sides of the petals. Price: Pkt., 10c.

MANDARIN—Red flowers, orange within and scarlet without. Price: Pkt., 10c.

DOUBLE AND SINGLE MIXED—Price: Pkt., 5c; oz., 35c.



Dolichos (Hyacinth Bean)

FORGET-ME-NOT (Myosotis)

THESE daintily elegant little flowers are hardy perennials that love cool, moist soil, and like pansies, bloom most freely in the Fall and early Spring. They make beautiful close borders, or edgings, thickly sprinkled with pretty flower-sprays, and will bloom nicely in Winter in a cool room or cold frame. Once at home in a garden they establish themselves by self-seeding. All the varieties are general favorites. Sow in Spring in a warm, sunny border. Most varieties bloom freely the first season and profusely the second. Average height, 6 inches. h. P.

ALPESTRIS ROBUSTA GRANDIFLORA—This Forget-me-not plant is of compact habit with glossy dark green foliage, above which are carried on sturdy stems large clusters of immense pure, blue flowers. Price: Pkt., 10c.

PALUSTRIS SEMPERFLORENS—An ever-blooming variety of the above, beginning in May and continuing till Autumn. Large, clear, blue flowers in pretty sprays. Price: Pkt., 10c.

INDIGO BLUE—Early and free-flowering, with the deepest indigo-blue flowers produced on long sprays which are excellent for cutting; 9 inches. Price: Pkt., 10c.

VICTORIA DWARF (Alpestris)—Bright azure blue. Very early. Dwarf. Price: Pkt., 10c.

MYOSOTIS ALPESTRIS, MIXED—A pretty trailer. Price: Pkt., 10c; ½ oz., 65c.

FERNS

A BEAUTIFUL plant used for foliage, bouquets, etc. Are a favorite everywhere and are very easily grown. Sow seed in rich loam. Below we offer you the finest species.

FINE MIXED—Greenhouse species. Price: Pkt., 20c.

HARDY—Species for outdoor culture. Price: Pkt., 20c.

FOXGLOVE—See Digitalis, Page 47.

FEVERFEW (Matricaria)

AN OLD garden favorite. This is the annual Feverfew, and one of the numerous flowers called "Bachelor's Button." Elegant for cutting and bouquet work. h. A.

DOUBLE WHITE—About 2 ft. Good for cutting. Price: Pkt., 10c.

GOLDEN BALL—Dwarf. Beautiful yellow. Price: Pkt., 10c.



Gaillardia

FUCHSIA (Eardrops)

THIS elegant pot variety is one of our showiest plants. They produce flowers of the most beautiful colorings. g. P.

FINEST MIXED—Price: Pkt., 25c.

FOUR O'CLOCK—MARVEL OF PERU

FOUR O'CLOCKS—Called Four O'Clocks because they open their blossoms at that hour in the afternoon. They are also known as "Marvel of Peru." Handsome, free-flowering, sweet-scented. Blossoms variegated and striped. h. A.

FINE MIXED—Price: Pkt., 5c; oz., 10c; ¼ lb., 35c.

GAILLARDIA (Blanket Flower) Annual Varieties

SPLENDID showy annuals, remarkable for the profusion, size and brilliancy of their flowers, continuing in bloom from early Summer till November; excellent for beds, borders or for cutting; should be sown where they are to bloom; 1½ feet.

ANNUAL DOUBLE—A splendid variety of mixed colors. h. A. Price: Pkt., 10c; oz., 50c.

ANNUAL SINGLE—Highly colored as the Perennial. h. A. Price: Pkt., 10c; oz., 50c.

HARDY HYBRID GAILLARDIA

THE flowers are extraordinarily large, often 4 to 5 inches across, and very highly colored in great diversity of variations and blendings, including such combinations as scarlet with gold edge, blood-red with yellow edge, yellow with orange disk, golden with scarlet border, pure yellow, fiery-crimson and many others.

GAILLARDIA (gr. fl. Oculata)—New light shades with red center. Very fine variety. Price: Pkt., 10c.

GRANDIFLORA COMPACTA, MIXED—Price: Pkt., 10c.



Forget-Me-Not

ST. LOUIS SEED COMPANY—"Pure and Sure" Seeds



Geraniums

ORNAMENTAL GRASSES

FOR large beds or groups on lawns nothing gives a finer effect and they are now largely used in prominent positions in many of the finest public parks, etc.

- BRIZA MAXIMA** (Quacking Grass)—Very beautiful. H. A.
- COIX LACHRYMA** (Job's Tears)—2 ft. H. A.
- GYNERIUM ARGENTEUM** (Pampas Grass)—The most noble grass in cultivation. 12 ft. H. P.
- LAGURUS OVATUS** (Hare's Tail Grass)—Bushy and puffy. H. A.
- EULALIA ZEBRINA** (Zebra Grass)—Light green, barred with creamy white. Variegation runs across foliage. H. P.
- PENNISETUM RUEPPELIANUM** (Purple Fountain Grass)—Graceful green foliage and purplish plumes, unequaled as an edging to a bed of Cannas or other tall plants; annual; 3 feet.
- STIPA PINNATA** (Feathered Grass)—H. P.
- ALL COLORS MIXED**—Price: Any of the above varieties, **Pkt., 10c.**

ORNAMENTAL GOURDS H. A.

THEY attain the remarkable growth of from 10 to 20 feet in height and are grown extensively for household as well as ornamental purposes.

- DIPPER**—Useful for many household purposes. When grown on the ground, produces differently shaped gourds than on the trellis. **Price: Pkt., 5c.**
- DISH CLOTH LUFFA**—Sponge-like, porous lining is dried and used in the bath or for dishcloth. **Price: Pkt., 5c.**
- HERCULES' CLUB**—The longest of any of the gourds. **Price: Pkt., 5c.**
- JAPANESE NEST EGG**—Resembles hen's eggs in color, size and shape. **Price: Pkt., 5c.**
- PIPE CALABASH**—The stem ends of the fruits are much used in making pipes. **Price: Pkt., 5c.**
- SUGAR TROUGH**—Very light, but durable. Used for buckets, baskets, soap and salt dishes, etc. **Price: Pkt., 5c.**
- SMALL VARIETIES, MIXED**—Price: **Pkt., 5c; oz., 25c.**

GYPSOPHILA

GYPSOPHILAS are valuable for bouquet-making, either green or dried. They are very graceful, and easily cultivated. Should be in every garden. All flower the first season. *G. paniculata* continues to bloom for several years.

- PANICULATA** (Baby's Breath)—Flowers white. A hardy perennial which will stay in the ground all Winter. **Price: Pkt., 10c.**
- PANICULATA, Fl. Pl.**—The new double flowering Baby's Breath. Hardy. **Price: Pkt., 15c.**
- ELEGANS, GRANDIFLORA, Pure White**—Splendid for carpeting in rose or lily beds. Annual. **Price: Pkt., 10c; oz., 35c.**
- ELEGANS, Rose**—An elegant variety; rose colored. Annual. **Price: Pkt., 10c.**

GERANIUMS

THESE grow readily from seed and produce blooming plants the first Summer. There is a great deal of pleasure in watching them develop from seed and there is always a chance of securing something new and desirable in that way. g. P.

- ZONALE, MIXED** **Pkt. \$0.10**
- APPLE-SCENTED** **25**

GLOXINA

GLOXINIAs are most charming greenhouse plants, of dwarf habit. Their flowers are produced in greatest profusion, and of the most exquisite and gorgeous colors, many of which are magnificent spotted, mottled and blended.

- GIANT HYBRIDS, MIXED**..... **Price: Pkt., 25c**

GODETIA

THEY are of a dwarf habit of growth. The flowers are of handsome shape, in the most brilliant as well as delicate colors, and are produced in marvelous profusion. Of easiest culture. h. A.

- Mixed. Price: Pkt., 10c.**

HELICHRYSUM (Strawflower)

ONE of the best and most popular of the everlasting flowers; the varieties offered below are all of the Monstrosium type, producing larger and more perfectly double flowers than the old variety. Valuable for cutting or decoration, either when fresh or in their dried state. 2 feet. **Pkt.**

- FIREBALL**—Crimson **\$0.10**
- GOLDEN BALL**—Golden yellow **.10**
- CARMINE ROSE** **.10**
- SALMON PINK** **.10**
- SILVER BALL**—White **.10**
- VIOLET QUEEN** **.10**
- MIXED—Oz., 60c** **.10**

GOMPHRENA (Globe Amaranth)

ALSO called "Bachelor's Buttons," a showy annual everlasting; flowers resemble clover heads and when dried are useful for winter bouquets; fine for bedding. **Pkt.**

- PINK** **\$0.10**
- PURPLE** **.10**
- MIXED** **.10**

GREVILLEA (Silk Oak)

ROBUSTA—A very beautiful and graceful decorative plant with fern-like foliage; excellent for table decoration; easily raised from seed, producing good-sized plants in a short time. **Price: Pkt., 10c.**



Helichrysum

ST. LOUIS SEED COMPANY—"Pure and Sure" Seeds

HOLLYHOCKS (5 to 8 feet high)

EVERBLOOMING DOUBLE MIXED—A comparatively new class of easy culture and flowering as quickly from seed as any garden annual. The plants from early sown seed set out in May begin flowering in July; the May sown in August; but in either event they flower profusely until frost. **Price: Pkt., 10c.**

EVERBLOOMING SINGLE MIXED.....**Price: Pkt., 10c**

SINGLE MIXED—Flowers mammoth in size, fringed pink to deep red in color. Blooms very early and continues late. Blooms the first year from seed if sown early. **Price: Pkt., 10c; ½ oz., 40c.**

CHATER'S SUPERB DOUBLE—An extra fine strain. The plants are hardy and large, robust growers; the flowers are not closely huddled up like the other Hollyhocks.

	Pkt.	Double Rose	Pkt.
Double White	\$0.10	Double Maroon	\$0.10
Double Crimson .....	.10	Double Light Pink .....	.10
Double Sulphur Yellow .....	.10	Double Mixed .....	.10

IMPATIENS SULTANA

THE ZANZIBAR, OR SULTAN'S BALSAM—Ideal for either pot or garden culture; a tender perennial that cannot be surpassed. It produces waxy bright flowers almost continually. Rose color. 2-3. g. P. **Price: Pkt., 10c.**

KOCHIA (Burning Bush)

FORMS regular pyramids from 2 to 3 feet in height, having a cypress-like appearance. Autumn coloring has given it another name, "Mexican Fire Plant." h. A. **Price: Pkt., 5c; oz., 30c.**

KUDZE VINE

A TWINING vine of remarkably rapid growth, hardy, though the vine dies down every Winter in the North. Foliage large and lobed; purple, pea-shaped flowers in clusters, borne late in the season. A fine vine for arbors, verandas, etc. Easily grown from seed. **Price: Pkt., 10c; oz., 50c.**



Hollyhock.

BEAUTIFY YOUR HOME

BY SOWING "HAVALAWN" GRASS SEED—See Page Three

HELIOTROPE

ST. L. S. CO.'S GIANT MIXED—Deliciously fragrant, flowering plants; growing about 18 inches high; great favorites for pot culture in the Winter or bedding out in the Summer. Half-hardy perennial. 1½ ft. **Price: Pkt., 10c.**



Heliotrope.

HEUCHERA

SANGUINEA SPLENDENS—The foliage is evergreen, flowers fiery coral, shading to brilliant crimson, borne on graceful spikes. A charming cut flower. h. P. **Price: Pkt., 10c.**

HOP

JAPANESE VARIEGATED—Rapid Summer climber, in three or four weeks' time attaining a height of 20 to 30 feet, resembling the common Hop. HA. **Price: Pkt., 10c; oz., 50c.**

HUNNEMANIA

(Bush Escholtzia)

THE plants grow into a shrubby bush 2 ft. high and produce large cup-shaped flowers. **FUMARIAEFOLIA**—Yellow. 2-3. H. A. **Price: Pkt., 10c.**

ICE PLANT

HANDSOME and curious plant for hanging baskets, rock work, vases and edgings. Trailer. t. A. 6 inches. **Price: Pkt., 10c.**

HIBISCUS (Marshmallow)

SHOWY ornamental perennial plants for mixed beds or shrubby borders, with large and beautifully colored flowers.

MALLOW MARVEL—A greatly improved form; gigantic single flowers; many shaded of red, pink, purple and white in mixture. **Price: Pkt., 10c.**

ST. LOUIS SEED COMPANY—"Pure and Sure" Seeds



Larkspur.

FLORISTS' FAVORITE COMPACTA (*Pumila Splendens*)—Brilliant dark blue with white eyes. Very dwarf. Price: Pkt., 10c.
SAPPHIRE—Trailing Lobelias are also coming much into demand. This new variety is of remarkably strong growth and is called Sapphire as the flowers show the wonderful deep blue of this gem. Price: Pkt., 15c.
CARDINALS (*Cardinal Flower*)—A native variety with spikes for brilliant flowers; fine hardy border plant; 3 feet. Price: Pkt., 15c.

MARVEL OF PERU—FOUR O'CLOCK
FOUR O'CLOCKS—Called Four O'Clocks because they open their blossoms at that hour in the afternoon. They are also known as "Marvel of Peru." Handsome, free-flowering, sweet-scented. Blossoms variegated and striped. h. A.
FINE MIXED—Price: Pkt., 5c; oz., 10c; ¼ lb., 35c.

MIMULUS

SHOWY, profuse flowering plants; fine for greenhouse or moist shady situations; half-hardy perennials, blooming the first year from seed if sown early; 1 foot.
MOSCHATUS (*Musk Plant*)—Fine for hanging baskets, etc.; small yellow flowers, fragrant foliage. Price: Pkt., 10c.
TIGRINUS (*Monkey Flower*)—Fine mixed spotted varieties. Price: Pkt., 10c.

LEMON VERBENA

THE seed of this grand old favorite is very scarce. The leaves are delightfully fragrant and refreshing. Lives from year to year. g. P. Price: Pkt., 10c.

LINARIA

CYMBALARIA (*Kenilworth Ivy*)—Very pretty new variety, with light green foliage and violet flowers. h. P. Price: Pkt., 10c.

LINUM

SCARLET FLAX—One of the most effective and showy bedding plants, of long duration, having fine foliage and delicate stems, with brilliant scarlet-crimson flowers. Price: Pkt., 10c.

LUPINUS (Lupine)

ANNUAL SORTS. Free flowering, easily-grown annuals, with long, graceful spikes of rich and various colored pea-shaped flowers; valuable for mixed borders, beds and for cutting; prefers a little shade; 2 feet.

	Pkt.		Pkt.
Hartwegii, dark blue...	\$0.10	Hartwegii, sky blue....	\$0.10
" white .....	.10	" roseus .....	.10

ANNUAL MIXED—Very desirable garden plants, showy and excellent for cutting. Graceful spikes, 2 feet long, in various shades of white, blue, pink and yellow. Price: Pkt., 10c; oz., 40c.

PERENNIAL MIXED—3 H. P. Effective hardy perennials, succeeding in any good garden soil; blooms in May and June; 3 feet. Price: Pkt., 10c.

LYCHNIS (Burning Star)

HYBRIDA MIXED—Grand hardy perennials. White rose, vermillion. h. P. Price: Pkt., 10c.

LANTANA

HYBRIDA, Dwarf Mixed—Of dwarf growth, they will be found a great improvement upon the older sort, and a splendid acquisition to our list of window and garden flowers. g. P. Price: Pkt., 10c; ½ oz., 40c.

LARKSPURS—ANNUAL

HARDY LARKSPUR—See Delphinium.

SEEDS sown in the open ground before the close of April will produce flowering plants by the beginning of July, and give a continuous succession of flowers from then until frost, a record that is not surpassed by any other annual. They make handsome beds very effective when interspersed in the old-fashioned flower or shrubby border.

DOUBLE STOCK FLOWERING TALL.

	Pkt.		Pkt.
Dark Blue.....	\$0.10	Lustrus Carmine.....	\$0.10
Rose Pink.....	.10	White .....	.10
Exquisite Pink.....	.10	Shell Pink.....	.10
Lilac.....	.10	Mixed.....	½ oz., 35c
Sky Blue.....	.10	Dwarf Rocket Mixed....	.10

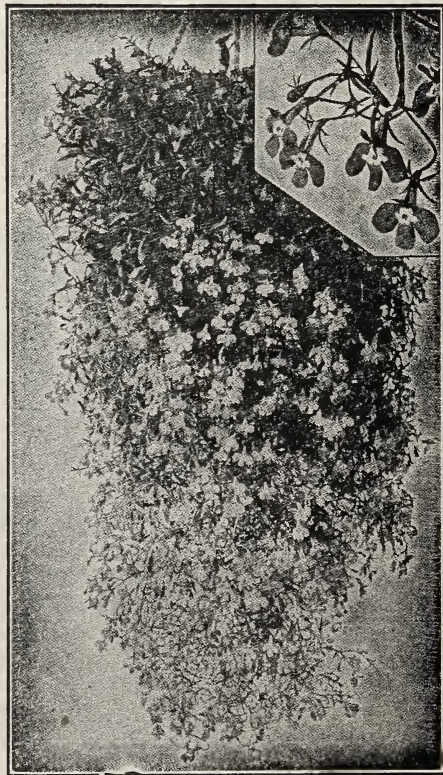
LAVATERA (Annual Mallow)

ROSEA SPLENDENS—A very beautiful and showy annual, growing about 2 feet high and covered during the entire summer with large cup-shaped shrimp-pink flowers; in a border or bed the effect is very bright. Sow in May where they are to bloom and thin out to 12 inches apart. Price: Pkt., 10c.

LOBELIA

THE annual Lobelia are plants of dwarf, compact growth, four to six inches in height, covered with numerous small, star-like flowers. Very pretty when grown as an edging for flower beds, also for hanging-baskets and vases, and as house plants in pots in winter. Seeds should be sown in boxes in a warm, sunny window, or in shallow drills outdoors when the trees are starting out in leaf, barely covering the seed from view.

CRYSTAL PALACE COMPACTA—Large, deep, blue flowers and bronzy foliage. Of fine, close habit. 6 in. Price: Pkt., 10c.



Lobelia Sapphire.

ST. LOUIS SEED COMPANY—"Pure and Sure" Seeds

MARIGOLD

THE African and French Marigolds are valuable for their flowers in Autumn, and can be grown to advantage in little clumps with other plants in the front of the shrubberies or in the garden border. They succeed best in light soil, with full exposure to the sun. h. A.

LEGION OF HONOR—Single golden yellow blossoms marked with red. Price: Pkt., 10c; ½ oz., 30c.

ORANGE PRINCE—A high-bred type, bearing densely double flowers of a rich deep golden-orange color; very showy. Price: Pkt., 10c; ½ oz., 30c.

LEMON QUEEN—Another fine variety, with soft lemon-yellow flowers, and forming a fine contrast to the preceding. Price: Pkt., 10c; ½ oz., 30c.

EL DORADO—Flowers very large, imbricated and extremely double. Colors in all shades of yellow. Price: Pkt., 10c.

AFRICAN TALL DOUBLE MIXED—Taller than the French, and the flowers are larger. 2 feet. Price: Pkt., 10c; ½ oz., 30c.

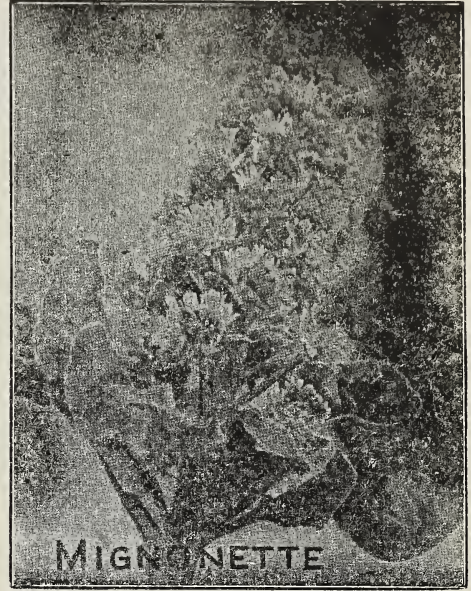
FRENCH DWARF DOUBLE MIXED—Many striped and blotched. Earlier than the African. 1 foot. Price: Pkt., 10c; ½ oz., 30c.

MIGNONETTE

THIS is one of the grandest garden flowers ever produced, and no garden is complete without an assortment of the following varieties. The colors of the florets vary on account of the density of the florets and spikes. For cutting they are superb, remaining fresh for 8 to 10 days in water. h. A.

CULTURE—Sow out of doors, when danger from frost is over, in the bed or border, where they are to flower. The soil should be well pulverized and the seed covered to a depth of about 4 times their size. Press down firmly with a board, and thin out so that the plants will not become crowded. For early flowering they should be sown indoors in a shallow box, or in a hotbed, and transferred to the open ground when the weather becomes suitable.

ST. L. S. CO.'S EX. SELECT MACHET—Of dwarf pyramidal growth, bearing numerous flower stalks; highly colored and very fragrant; one of the best. Price: Pkt., 10c.



GOLDEN MACHET—Distinct variety of Machet, with massive spikes of golden-yellow blossoms. Price: Pkt., 10c.

RED GOLIATH—The spikes of flowers are immense, measuring 6 to 8 inches long by 2½ inches in diameter, and are compactly filled with giant florets measuring ½ inch across and packed full, even in the center. Price: Pkt., 10c.

ALLEN'S DEFIANCE—Will throw flower stalks of a foot in length and of an unequaled delicious fragrance. Good forcing variety under glass. 1½ feet. Price: Pkt., 10c.

BISMARCK—Can be best described as an improved Machet. Good for florists. Has stout stalks, dark cream crimped foliage. Price: Pkt., 10c.

LARGE FLOWERING—Mixed. Price: Pkt., 5c; ½ oz., 25c.

MORNING GLORIES

ST. L. S. CO.'S NEW JAPANESE GIANT—This exquisite new Morning Glory is without doubt the finest species ever offered. So rich and beautiful are its gorgeous markings of handsome blotched petals that it cannot be compared with the ordinary Japanese Morning Glory. The flowers of this variety are of largest size, often three inches or more across; some are brilliant red or rich blue, others are equally brilliant, with broad margins of clear white; some are striped or dotted with blue or red on white or lemon yellow ground. Price: Pkt., 15c; oz., 30c.

ROCHESTER—Flowers 4 to 5 inches across, deep violet blue in the throat, blending out to an azure blue, bordered with a wide white band around the edges. Price: Pkt., 10c; oz., 20c.

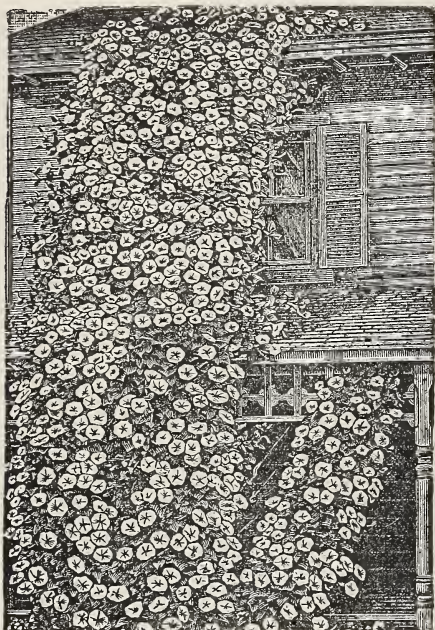
IMPERIAL JAPANESE FRINGED—The gorgeous colors of the Imperial Strain Morning Glory surpasses anything ever seen in these flowers. Petals are of a large size and blotched with magnificent colorings of different shades and tints. Without a doubt, Imperial Morning Glories equal the finest of their kind. Price: Pkt., 10c; oz., 20c.

SETOSA (Brazilian Morning Glory)—Setosa is the botanical name of this magnificent summer climbing annual. It grows with the greatest vigor and luxuriance. The leaves are 8 to 12 inches across, overlapping each other and making a dense shade. The vine is covered with short reddish hairs which, with its immense leaves and large clusters of curious seed capsules, renders it highly ornamental. We know of nothing better for quickly covering a piazza, arbor or tree. The flowers are of beautiful rose color and are borne in large clusters. Price: Pkt., 10c; oz., 20c.

FINE MIXED—All colors. Price: Pkt., 5c; oz., 10c.



Marigold



Moon Flower.

MOON FLOWER (Ipomoea)

WHITE LARGE FLOWERING—This greatly improved variety of the popular Moon Flower Vine, produces much larger flowers and in greater profusion, with immense saucer-shaped flowers from 7 to 8 inches across and as glistening white as disks of white satin. They are also softly fragrant. The flowers open about sunset and close the next morning. **Price: Pkt., 10c; oz., 40c.**

BLUE BONA NOX (Evening Glory)—Beautiful, large violet flowers. **Price: Pkt., 10c; oz., 35c.**

GIANT PINK—The soft lilac-pink flowers are produced abundantly all summer and fall. **Price: Pkt., 10c; oz., 35c.**

NEMOPHILA

SPLENDID free-flowering hardy annuals, of very neat, compact habit. Flowers are cup-shaped, appearing in many brilliant colors, the blue shades being particularly striking. **Price: Pkt., 10c.**

NICOTIANA

(Ornamental Tobacco)

A BEAUTIFUL hardy annual, fine for its sweet-scented flowers and ornamental leaves. **h. A.**

AFFINIS—An annual with sweet-scented, pure white star-shaped flowers, 3 inches across, blooming continually. 2 to 3 feet high. **Price: Pkt., 10c.**

SANDERAE—A Brazilian novelty, the entire bush being covered with large brilliant carmine red flowers. Height of about 2 feet. **Price: Pkt., 10c.**

NIGELLA

(Love in a Mist or Devil in the Bush)

A COMPACT free-flowering plant with finely cut foliage, curious looking flowers and seed-pods; of easy culture, growing in any garden soil, hardy annuals; blue and white mixed: 1 foot. **h. A. Price: Pkt., 10c.**

NASTURTIUMS

TALL or CLIMBING VARIETIES

ELEGANT and luxuriant climbers for verandas, trellises, etc. May be used to cover unsightly railings and to trail over rough ground with fine effect. The seed-pods can be gathered while green and tender for pickling; 6 to 8 feet.

	Pkt.	Oz.
Dark Crimson	\$0.10	\$0.15
King Theodore —Velvety dark crimson; dark foliage .....	.10	.15
Fulgens —A pure orange .....	.10	.15
Orange —Pure orange, no markings .....	.10	.15
Rose —Ruby Rose .....	.10	.15
Edward Otto —Brownish Lilac .....	.10	.15
Pearl —Cream-white .....	.10	.15
Prince Henry —New, cream-color spotted red .....	.10	.15
Schulzi —Scarlet .....	.10	.15
Vesuvius —An exquisite shade of salmon ..	.10	.15
FINE MIXED —Tall. Price: Pkt., 5c; oz., 10; ¼ lb., 35c; lb., \$1.25.		
VARIEGATED-LEAVED —Mixed. Price: Pkt., 10c; oz., 15c.		

DWARF or TOM THUMB VARIETIES

THE DWARF NASTURTIUMS will always be general favorites, for the reason that they stand any amount of heat and drought, growing vigorously and flowering freely.

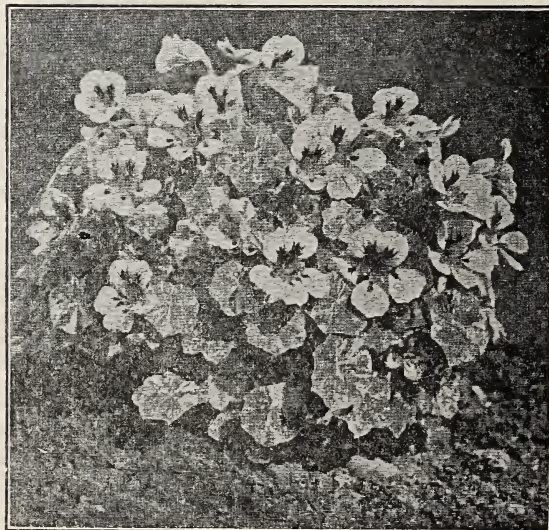
	Pkt.	Oz.
Beauty —Light scarlet, splashed canary ..	\$0.10	\$0.15
Bronze —Bronze colored .....	.10	.15
Cloth of Gold —Rich scarlet .....	.10	.15
Chameleon —Splashed crimson, bronze and yellow .....	.10	.15
Empress of India —Brilliant crimson; dark foliage .....	.10	.15
King Theodore —Scarlet-maroon; dark foliage .....	.10	.15
Golden King —Rich, golden yellow .....	.10	.15
King of Tom Thumb —Scarlet .....	.10	.15
Pearl —Pure white .....	.10	.15
Regellanium —Deep, purplish-crimson ..	.10	.15
FINE DWARF MIXED —Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.25.		

SHAW'S GARDEN HYBRIDS

THE prettiest strain of Dwarf Nasturtiums—worth ten times the price of the ordinary mixed. There's really no comparison in the beauty and color of the flowers. **Price: Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.75. Postpaid.**

HYBRIDS of MME. GUNTHER

THE RICHEST STRAIN OF ALL—These new hybrids make a strong growth, climbing about six feet and covered from Spring to Fall with large, substantial flowers of the most brilliant shades. **Price: Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.75. Postpaid.**



Shaw's Garden Hybrids.

ST. LOUIS SEED COMPANY—"Pure and Sure" Seeds

PANSIES

LARGEST FLOWERING VARIETIES.

SOW the seeds in drills, covering them not more than four times their diameter, and firming the soil well above them. Seeds sown in April or May will produce blooming plants by the last of June, which will give an abundance of flowers throughout the remainder of the season. About the middle of August is the best time for starting pansy seeds for early Spring blooming.

BUGNOT'S GIANT MIXTURE—One of the richest mixtures imaginable; contains the finest blotched varieties; of large size and exquisite coloring. Price: Pkt., 15c.

CASSIER'S GIANT, MIXED—One of the largest blotched varieties with petals of the finest coloring. Price: Pkt., 20c.

EXHIBITION—This wonderful Giant Pansy we offer as our leader. The colorings of this Pansy are mixed, there being no end to the numerous shades which nature has endowed upon this gigantic marvel, every petal being a veritable display of shades and coloring in itself. Price: Pkt., 25c.

MASTERPIECE—This grand giant Pansy is remarkable in having the borders of the petals waved or frilled, which gives the flower an almost double appearance; the type is altogether novel and distinct. Price: Pkt., 15c.

MME. PERRET—Flowers of large size, borne very freely in great diversity of colors, especially rich in red and wine shades. Price: Pkt., 10c.

ST. L. S. CO.'S "NONPARIEL" MIXTURE—This is certainly one of the grandest collections of the rarest and most beautiful varieties of Pansies. There is no end to the countless shades of color



St. L. S. Co.'s "Nonpariel" Mixture.

with which nature has endowed this mixture. The flowers are of a large size and the plants grow more compactly bushy than other mixtures.

We have the best mixture of the European specialists who raise it. Price: Pkt., 20c; ¼ oz., \$2.00.

TRIMARDEAU GIANT MIXED—Extra large flowers, but not of such perfect form as the Imperial Giant. Most of the flowers have three large blotches or spots. Price: Pkt., 10c; ½ oz., \$1.25.

IMPERIAL GIANT, MIXED—They embrace all the solid or self-colors, delicately shaded of various colors, dark and light marbled varieties, flowers with clear, distinct eyes, striped flowers of striking beauty and vividly colored fancy varieties. Price: Pkt., 15c.

FINE MIXED—Price: Pkt., 5c; ½ oz., 40c.



TUFTED PANSIES, OR VIOLAS

WHILE the flowers of the Tufted Pansies are not so large as the regular type, yet they bloom so freely that they are superior to pansies where effect is wanted, the colors being particularly clear and distinct; they also bloom for a longer time. Seed sown in April produces flowering plants by June, and from then on until frost they are a sheet of bloom. Price: Pkt., 10c.

EARLY FLOWERING SWEET (Scented Mixed)

THIS new race of Pansies promises to be an important introduction on account of the extreme hardiness of the plants and in consequence their earliness in flowering. With slight protection, such as meadow hay, leaves or similar material, full-grown plants winter over in the open ground. Price: Pkt., 10c.

SPECIAL OFFER TO PANSY LOVERS

THIS diagram, when properly laid out as shown in illustration, and sown with the following named varieties as per their respective numberings, will produce one of the most striking sights obtainable in the floral world. This collection will produce a bed 6 feet in diameter.

SEPARATE COLORS

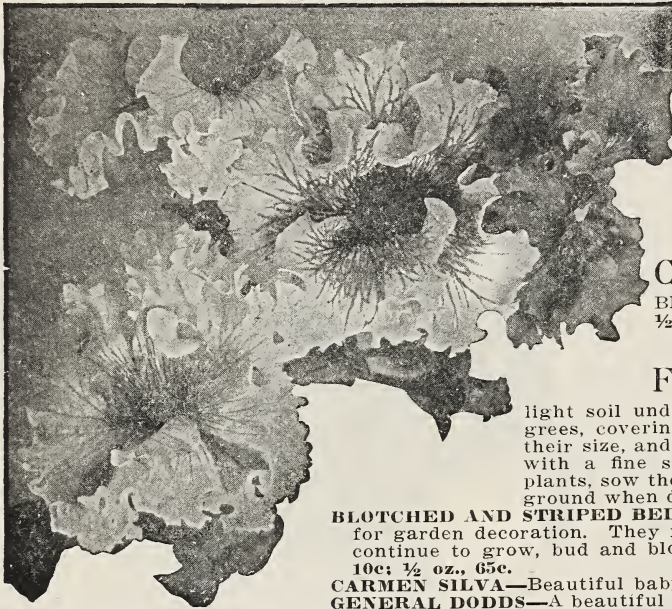
All Giant-Flowered Varieties.

No.	Name	Color	Pkt.
No. 1.	Snowflake	White	\$.10
No. 2.	Faust	Black	.10
No. 3.	Lord Beauchamp	Blue and white	.10
No. 4.	Fire King	Golden yellow, upper petals crimson	.10
No. 5.	Emperor William	Azure blue	.10
No. 6.	Gold Elsie	Pure yellow	.10

One each of the above varieties, to plant as shown in diagram, mailed, postpaid, for 40c.

PANSY PLANTS READY APRIL 1st.
Price: 12 Plants, \$1.00. (By Express Only.)





OENOTHERA (Evening Primrose)

THESE are among our most beautiful plants for mixed garden beds and borders. They grow in branching from 1 to 2 feet in height and produce freely and continuously large single Poppy-like flowers of white, yellow, rose color, etc. The blossoms open early every evening and last well into the following day. They are of the easiest culture in any sunny situation. **Mixed Annual Varieties. Price: Pkt., 10c.**

PASSIFLORA (Passion Vine)

COERULEA—Very popular for window decoration or sunny locations in the garden. Blue. 2-3. hh. P. 10 feet. **Price: Pkt., 10c; ½ oz., 75c.**

PETUNIA

FOR early flowering, the seed should be sown during March in shallow boxes of light soil under glass, in a temperature of about 65 degrees, covering the seed to a depth of about four times their size, and press the surface firm with a board; water with a fine spray as needed. For later succession of plants, sow the seed in April in cold frames or in the open ground when danger of frost is over.

BLOTCHED AND STRIPED BEDDING PETUNIAS are almost indispensable for garden decoration. They flower in a few weeks' time from seed and continue to grow, bud and bloom in luxuriance until frost. **Price: Pkt., 10c; ½ oz., 65c.**

CARMEN SILVA—Beautiful baby blue. **Price: Pkt., 10c.**

GENERAL DODDS—A beautiful deep red. Of compact growth covered completely with beautiful flowers one and one-half inches in diameter. Very desirable for beds or borders. **Price: Pkt., 10c.**

PENTSTEMON

(Beard Tongue)

GIANT FLOWERING MIXED—As a bedding plant this takes rank with the Petunia, Phlox, etc. It grows about 2 feet high, every branch being a spike of large, Gloxinia-like flowers in a very wide range of bright colors. **Price: Pkt., 10c.**

PERILLA

LACINIATA—A beautiful showy plant. Highly prized for its foliage, producing leaves similar to the Coleus. 1½ ft. 2 hh. A. **Price: Pkt., 10c.**

PHACELIA

CAMPANULARI—Flower a rich deep blue; height 1 to 2 feet. 2 h. A. Excellent for bees. **Price: Pkt., 10c.**

RUFFLED GIANTS

FLOWERS of extraordinary size and substance, and distinguished from the large flowering fringed section by the deep fluting, giving the appearance as if artificially ruffled. **Price: Pkt., 25c.**

DWARF FRINGED LARGE-FLOWERING—This new dwarf race of Petunia is one of the most important novelties in flower seeds. The plants, though branching freely from the base, rarely exceed 8 inches in height and form dwarf, compact little bushes which carry, well above the foliage, numerous large fringed-edge flowers of all the beautiful Petunia colors, including those blotched, throated and veined in varied combinations. **Mixed. Price: Pkt., 25c.**

GIANTS OF CALIFORNIA—The richest colors, the largest flowers and the finest markings of all Petunias. Flowers of gigantic size, many of them measuring 5 inches in diameter, and of an astonishing variety of colors. **Price: Pkt., 15c.**

DOUBLE LARGE FLOWERING

IT IS well known that seed saved from the most carefully hybridized flowers produce but a small percentage of double flowers, the balance being single of unusually fine quality. The weaker seedlings should be carefully saved, as these invariably produce the finest double flowers.

DOUBLE LARGE-FLOWERING FRINGED, MIXED—**Price: Pkt., 25c.**



Giants of California Fringed Petunias

ST. LOUIS SEED COMPANY—"Pure and Sure" Seeds

PHLOX

IT OCCUPIES a first place as a garden annual, being one of the most brilliant and at the same time one of the easiest and most satisfactory plants, which can readily be grown from seed. Seed may be sown in the open ground any time after danger of frost is past, and in a few weeks they are a sheet of bloom, remaining so until frost.

LARGE FLOWERING—This important strain is not only notable for variety and brilliancy of colors, but also for the perfection and size of flowers.

	Pkt.
Large Flowering —White	\$0.10
“ “ Scarlet .....	.10
“ “ Crimson .....	.10
“ “ Deep Rose .....	.10
“ “ Yellow .....	.10
“ “ Mixed, ½ oz., 65c. ....	.10

STARRED AND FRINGED MIXED—Very odd and pretty effect. **Price: Pkt., 10c.**

FINE MIXED—Bright, showy flowers. Good for cutting. 1 foot. **Price: Pkt., 5c; oz., 50c.**

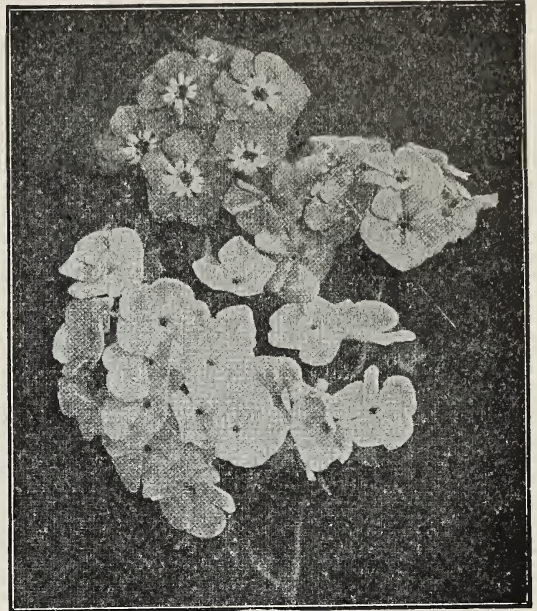
DWARF PHLOX—This strain grows only 6 inches in height. Plants form round, compact bushes.

	Pkt.
Fireball —A fine scarlet.....	\$0.10
Snowball —Pure White .....	.10
Dwarf Mixed —All colors, ¼ oz., 50c. ....	.10

HARDY PERENNIAL PHLOX—Fine herbaceous perennial for beds or mixed borders. Mixed. **Price: Pkt., 10c; ¼ oz., 65c.**

PLATYCODON (Wahlenbergia) (Chinese Bell Flower)

HARDY perennials, bearing large, broad, bell-shaped blue flowers; very handsome for garden decoration. **GRANDIFLORUM, Blue**—Very hardy. Height, 2 feet. **Price: Pkt., 10c.**



Phlox.

PORTULACA

SOMETIMES called Rose Moss. Few flowers make such a dazzling display of color in the bright sunshine as a bed of Portulacas. The glossy cup-shaped single flowers and rose-like double flowers, about one inch across, range through many shades of red, white, pink, orange, yellow, striped, etc.

LARGE FLOWERING SINGLE MIXED—**Price: Pkt., 5c; oz., 50c.**

DOUBLE FINE MIXED—All colors mixed. **Price: Pkt., 10c; ½ oz., 90c.**

PHYSALIS (Chinese Lantern Plant)

FRANCHETI—An ornamental variety of the Winter-Cherry, forming dense bushes about 2 feet high, producing freely its bright orange-scarlet lantern-like fruits; highly interesting. **Price: Pkt., 10c.**

POPPIES

ANNUAL POPPIES should be sown as early in the Spring as possible where they are to remain, as they do not stand transplanting. Sow very thinly. If they come up too thickly they must be thinned out to stand 3 to 4 inches or more apart if you wish best results.

ADMIRAL POPPY—A single Paeony-flowered variety of surpassing beauty, having large, smooth-edged flowers of glistening white, with a broad band of brilliant scarlet around the top. **Price: Pkt., 10c.**

DANEBOG; OR DANISH CROSS—Very showy variety, producing large flowers of brilliant scarlet, with a silvery-white spot on each petal, forming a white cross. **Price: Pkt., 10c.**

DOUBLE CARDINAL—Round as a ball, red as fire. The flowers are of very large size and finely fringed. In color it is a glowing cardinal scarlet. Height, 16 inches. h. A. **Price: Pkt., 10c.**

DOUBLE CARNATION-FLOWERED—Large, showy flowers. 2 feet. h. A. Mixed. **Price: Pkt., 5c; ½ oz., 20c.**

SHIRLEY-MIXED—This magnificent species sports to numberless shades of color, from pure white to rose pink, carmine and deepest crimson. h. A. **Price: Pkt., 10c; ½ oz., 25c.**

TULIP FLOWERED SCARLET—Large, bright scarlet flowers. The two outer petals of the flower form a tulip cup. Strikingly beautiful. About 1 foot. h. A. **Price: Pkt., 10c; ½ oz., 40c.**

HARDY PERENNIAL POPPIES

ORIENTAL POPPIES should be sown in early Spring in the open ground as soon as it is fit to work.

ICELAND MIXED—White, salmon, rose and orange, with yellow stamens. Petals delicately fringed. Dwarf. h. P. **Price: Pkt., 10c.**

ORIENTAL HYBRIDS—Large, showy flowers, ranging in color from orange-scarlet to crimson. Very brilliant. H. p. About 2½ feet. **Price: Pkt., 10c; ½ oz., 50c.**



Portulaca.



Ricinus, or Castor Oil Plant.

PYRETHRUM (Feverfew) 2, 3 h. A.

ROSEUM GRANDIFLORUM SINGLE MIXED—Flowers of enormous size, ranging in color from light pink and rose to deep carmine. Price: Pkt., 10c.

AUREUM (Golden Feather)—Yellow foliage. Price: Pkt., 10c.

RHODANTHE (Everlasting)

MIXED—Fine for outside border, or for greenhouse flowering during the Winter. Price: Pkt., 10c.

RUDBECKIA (Golden Glow)

(Cone Flower)

NEWMANII—An effective, hardy, perennial sort, producing in masses during August and September brilliant orange-yellow flowers; 3 feet. Price: Pkt., 10c.

SALPIGLOSSIS (Painted Tongue)

AS POT plants they are elegant and for cut flowers for vase and bouquets they are unsurpassed. 2-3. H. H. A.

LARGE FLOWERING (Painted Tongue)—Yellow, rose, scarlet, light blue, purplish violet mixed. Price: Pkt., 10c.

SALVIA (Flowering Sage) H. H. A.

ONE of our most handsome Summer and Autumn-flowering plants, growing into compact bushes about 3 feet high.

AMERICA (Globe of Fire)—A very pleasing, recent introduction which has become very popular. It being of a dwarf bushy habit, filling a want where other varieties attain too great a height. Plants grow about 15 inches high. Price: Pkt., 15c.

BONFIRE—Our well-known compact Salvia—the freest blooming of all, seemingly on fire all the time with dense flaming scarlet spikes. 2½ feet. Price: Pkt., 10c.

FIREBALL—The most compact type of Salvia yet introduced. Splendid for beds or borders, of somewhat dwarf habit. Price: Pkt., 15c.

SPLENDEN'S GRANDIFLORA, SCARLET—A rich-flowered bedder. 3 feet. Price: Pkt., 10c; ½ oz., 75c.

ST. LOUIS—This is one of the finest of the Scarlet Sages, growing on a compact bush 2 feet high by 2 feet in diameter. Price: Pkt., 15c.

ZURICH—A splendid dwarf variety, growing about 2 feet high, and is especially valuable on account of being the earliest to bloom. Price: Pkt., 15c.

POTENTILLA (Flowering Strawberry)

A BEAUTIFUL border plant; flowers from yellow to bright red. Leaves resemble strawberry plants. An unexcelled plant for border and naturalizing effect. 1 ft. h. P. Double sorts mixed. Price: Pkt., 10c.

PRIMULA (Primrose)

OBCONICA GRANDIFLORA—This is one of the most useful flowering plants. If sown early in the Spring the seedlings will commence to bloom in May or June and continue to flower throughout the whole year. h. P. Price: Pkt., 10c.

MALACOIDES—Best for florists. A fine house plant; flowers delicate lilac. Price: Pkt., 15c.

CHINENSIS (Chinese Primrose)—The culture of these lovely flowers is much easier than most people think. Our mixture includes all the choicest colors of the single flowering Primulas in all their dainty shadings. Large flowering and fern-leaved mixed. Price: Pkt., 25c.

HARDY PRIMROSE

THESE are among the best of the early Spring-blooming plants. With a slight protection they will stand the Winter, but will do better if protected by a cold frame.

AURICULA—Beautiful low-growing early Spring-flowering plants, fine for borders, pot culture, etc.; the fragrant flowers of many rich colors are borne in clusters on the top of stalks 4 to 6 inches long. Price: Pkt., 10c.

POLYANTHUS VERIS—Showy, early Spring, free-flowering plants; fine for either pot or outdoor culture; hardy perennials; 9 inches. Price: Pkt., 10c.

RICINUS (Castor Oil Bean)

ORNAMENTAL plants of stately growth and picturesque foliage.

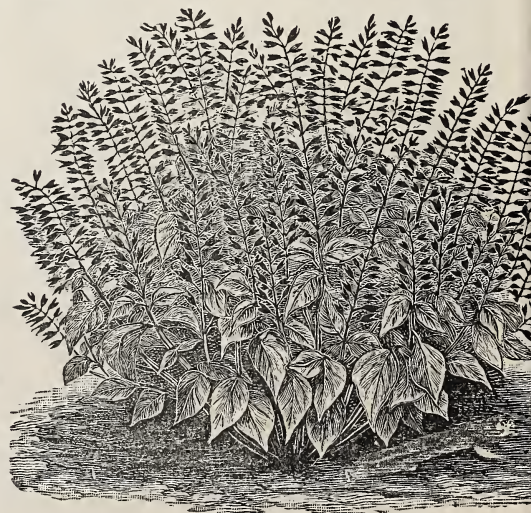
ZANZIBARIENSIS—Surpasses all in size and beauty of colors, which include glaucous-green, coppery brown, metallic red, brownish purple, red maroon and bronze; 8 to 10 feet. Price: Pkt., 5c; oz., 15c.

BORBONIENSIS ARBOREUS—The tallest of the Ricinus family. 15 feet. Price: Pkt., 5c; oz., 15c.

CAMBODGENSIS—A beautiful black-leaved specie, a handsome foliage. Price: Pkt., 5c; oz., 15c.

GIBSONI—Purplish leaves and stems, 6 feet. Price: Pkt., 5c; oz., 15c.

MIXED SORTS—Price: Pkt., 5c; oz., 15c.



Salvia.

ST. LOUIS SEED COMPANY—"Pure and Sure" Seeds

SCABIOSA

(Mourning Bride, Sweet Scabious, Pin-Cushion Flower, Etc.)

FIRM favorites with many of our customers. Seed can be sown any time in the spring after danger of frost is past. They grow about 2½ feet high, and come into bloom early in July, and continue without interruption until hard frost.

	Pkt.		Pkt.
Crimson	\$0.10	Lavender	\$0.10
Black-Purple .....	.10	Snowball .....	.10
Rose .....	.10	Mixed .....	.10

CAUCASICA (Blue Bonnet)—One of the most handsome of hardy perennials, especially valuable for cutting, the blooms lasting a long time in water; lilac-blue; 3 feet. Price: Pkt., 10c.

SCHIZANTHUS

LARGE-FLOWERED MIXED—As pretty as miniature Orchids. Exceedingly profuse bloomers. Forming compact pyramidal plants a foot high, literally covered with large beautiful orchid-like flowers in a bewildering range of colors. Price: Pkt., 10c.

SILENE (Catchfly) H. A.

VERY pretty dwarf plants, used mostly for borders; thriving in almost any common soil and easy of cultivation. 6 in. Price: Pkt., 10c.

SENSITIVE PLANT

(*Minosa Pudica*)

A CURIOUS and interesting plant with pinkish white flowers; the leaves close when touched or shaken. 1½ feet. The favorite variety. 2-3; t. A. Price: Pkt., 10c.

STOCK

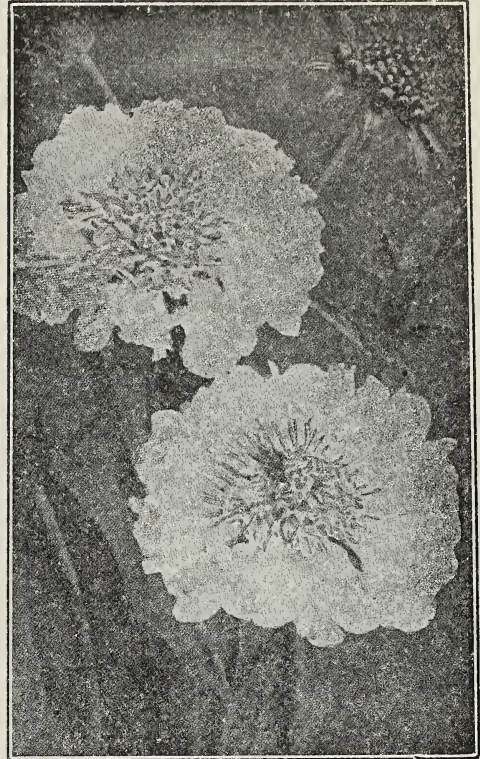
SOMETIMES called Gilliflower. Considered almost indispensable where a fine display of flowers is wanted and particularly valued for edgings, bedding and pot culture. The improved varieties we offer of this favorite garden plant produce dense spikes of very fragrant and beautiful rosette-like double flowers in a wide range of attractive colors. They are suitable for cutting.

CUT-AND-COME-AGAIN

SPLENDID perpetual-blooming class; sown in March or April they begin flowering in July, continuing until frost, and are especially valuable during September and October, when other flowers are scarce.



Stocks.



Scabiosa.

	Pkt.
Princess Alice—White	\$0.10
LaFrance—Rose .....	.10
Brilliant—Blood-red .....	.10
Sapphire—Dark blue .....	.10
Creole—Creamy yellow .....	.10
May Queen—Delicate Lilac .....	.10
Finest Mixed—All colors .....	.10

DOUBLE FINE MIXED—The best for outdoor planting. Price: Pkt., 5c; ½ oz., 75c.

WINTER OR BROMPTON MIXED—Remove the plants indoors for Winter blooming. Price: Pkt., 15c.

MAMMOTH BEAUTY OF NICE STOCKS

A MAGNIFICENT recently developed strain of early flowering Winter or Brompton Stocks, forming much-branched plants about 2 feet high and having numerous spikes of very large, double, delightfully fragrant flowers; they are of special value as pot plants for greenhouse decoration and for cutting during the dull winter months.

	Pkt.
Monte Carlo, canary yellow	\$0.10
Crimson King .....	.10
Beauty of Nice, flesh pink .....	.10
Cote d'Azur, light blue .....	.10
Belle d'Naples, old rose .....	.10
Almond Blossom, white shaded pink .....	.10
Mont Blanc, pure white .....	.10
Mixed .....	.10

STATICE

SUWOROWI—H. P. Long panicles of small, light rose flowers, which if dried make nice Winter bouquets. Price: Pkt., 10c.

SMILAX

IN MANY respects the smilax is the most useful, and it is certainly one of the most graceful climbers. Price: Pkt., 10c; oz., 50c.



Red Sunflower.

SWEET WILLIAM (Dianthus-barbatus)

EXTENSIVELY used in old-fashioned gardens; flowers borne in large clusters of most brilliant colors, and are fine for cutting.

PINK BEAUTY—In color it is what florists call watermelon-pink or salmon-rose. Strikingly brilliant and beautiful; the flowers are borne in massive heads on stems 18 inches high. **Price: Pkt., 10c.**

SCARLET BEAUTY—A very effective rich, deep scarlet variety. **Price: Pkt., 10c.**

HOLBORN GLORY—This strain is a large-flowered selection of the auricula-eyed section, the most beautiful and admired of all Sweet Williams. **Price: Pkt., 10c.**

	Pkt.
Single Dark Crimson.....	.10
Single White .....	.10

FINEST SINGLE MIXED—**Price: Pkt., 5c; ½ oz., 25c.**

DOUBLE MIXED—This mixture contains the finest colors. Impossible to find anything that can compare with it. **Price: Pkt., 10c; ½ oz., 45c.**

ANNUAL MIXED—The old favorite Sweet William, as all know, does not flower until the second year from seed, but this new type commences blooming in early Summer from Spring-sown seed. **Price: Pkt., 10c; ½ oz., 50c.**

SWEET ROCKET

(Hesperis)

OLD-FASHIONED garden plant, and among the most desirable of hardy flowers; grows from 2 to 3 feet high. h. P. Fine mixed. **Price: Pkt., 10c.**

STOKESIA (Corn Flower Aster)

HIGHLY valuable for cutting, supplying a shade of coloring not overly plentiful at any season of the year.

CYANEA (Blue)—The earliest and best sort. h.

P. Price: Pkt., 10c.

CYANEA (White).....**Price: Pkt., 10c.**

SUNFLOWER (Helianthus)

FAR superior to common Sunflowers. The large, rich golden yellow flowers are produced on each branch. Makes a beautiful hedge. h. A.

GOLDEN BALL—A beautiful large double variety. **Price: Pkt., 10c; oz., 35c.**

DWARF DOUBLE—Similar to the above variety, only of a dwarf nature with variegated leaves. **Price: Pkt., 5c; oz., 25c.**

SINGLE FLOWERING SORTS

THE single Sunflowers are indispensable for cutting. Sown on a sunny spot in April or May, they come into bloom early in Summer.

RED—This new Sunflower, we believe it to be a novelty of real merit, and feel sure it will come into general use. Planted a border or in front of taller shrubbery or along a wall, they are very showy. **Price: Pkt., 10c; oz., 50c.**

STELLA (Improved Miniature Sunflower)—Differs from the above by its large and better formed flowers of the purest golden yellow, with black disc. **Price: Pkt., 10c.**

SOLANUM (Jerusalem Cherry)

THIS is a very useful pot plant for Winter decoration. It is of the dwarf branching habit; leaves small and oval shaped, bearing in the greatest profusion bright, scarlet, globular berries. Very ornamental. 1 foot. 2-3. t. A.

CAPSISTRUM NANUM—A beautiful decorative variety. **Price: Pkt., 10c.**



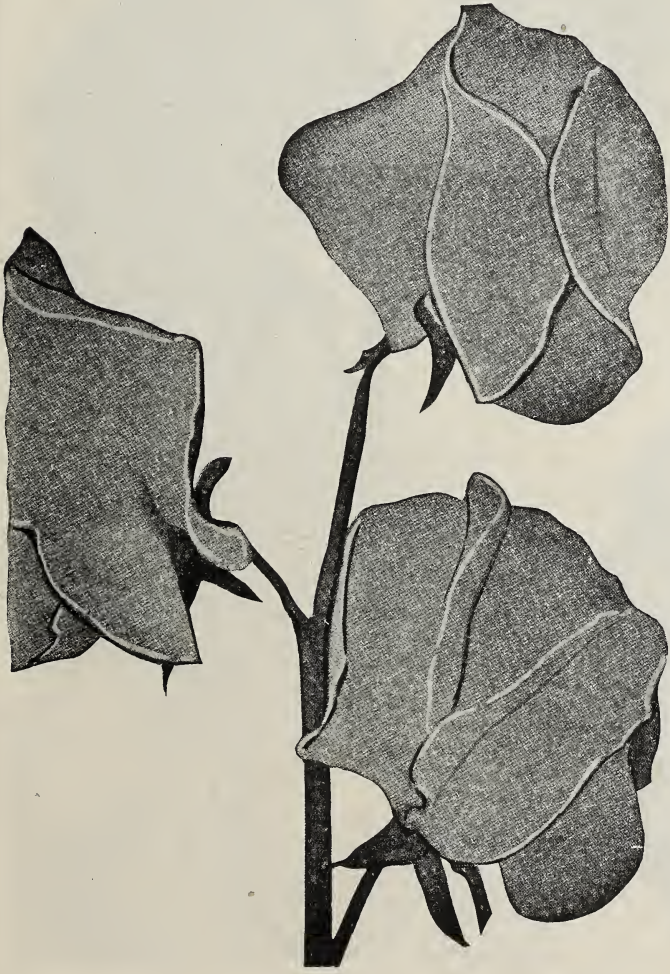
Sweet William.

ST. LOUIS SEED COMPANY'S
SPENCER OR BUTTERFLY SWEET PEAS

Our Spencer Sweet Peas are carefully grown by experienced men from selected Stock Seed, and better seed cannot be grown in this country than the stocks supplied by St. Louis Seed Co.
Send us your order and try them yourself.

THE Spencer Waved Sweet Pea is a distinct advance in the development of the Sweet Pea. No modern garden is complete without this grand type. The chief characteristic of the Spencer Sweet Peas is their robust growth, plants frequently attaining a height of 6 to 10 feet, requiring a foot of space in the row for each plant to fully develop. The flowers are gracefully formed; both standard and wings are larger than the Grandiflora type, flowers often measure 2 to 2½ inches in diameter and are borne on stems 18 inches long, with four blooms. We have listed below all varieties of the Spencers that we catalogue.

	Price			Price	
	Pkt.	Oz.		Pkt.	Oz.
AFTERGLOW —Bright violet standards shaded rosy amethyst, wings paler blue; waved.....	\$.10	\$.25	AURORA SPENCER — White ground, striped and flaked orange-pink.....	\$.10	\$.25
APPLE BLOSSOM SPENCER —Standard rose, wings light carmine.....	.10	.25	BLANCHE PERRY SPENCER —Standards rose, wings white.....	.10	.25
ASTA OHN SPENCER —Soft pinkish lavender.....	.10	.25	COUNTESS SPENCER —Bright shade of pink.....	.10	.25
CONSTANCE HINTON —This is decidedly the best black-seeded, white-flowered variety in cultivation. The flowers are of largest size, best Spencer form, and usually produce in fours on long, stout stems.....	.10	.25	DOBBIE'S CREAM — Deep cream or primrose colored, nicely waved flowers	.10	.25
FIERY CROSS —Intense orange scarlet.	.10	.25	FLORA NORTON SPENCER — Bright blue, slight purple tint.....	.10	.25
			FLORENCE NIGHTINGALE —The color is of a charmingly soft, clear rich lavender, which is enlivened by a very faint sheen of rose-pink.....	.10	.25
			HERCULES —A flower of great substance and exquisite size, and beautifully waved. The color is a magnificent, soft rose-pink self.....	.10	.25
			HELEN LEWIS SPENCER —Fine orange-salmon-pink....	.10	.25
			ILLUMINATOR SPENCER —A very pleasing color; ground of salmon, with rich bright cerise-pink. Flowers of excellent texture and size. A beautiful new creation.....	.10	.25
			KING EDWARD SPENCER —A pure red Spencer. Special strain.....	.10	.25
			KING WHITE SPENCER —The finest pure white Sweet Pea ever offered. The vines are extremely strong, flowers the largest of the finest frilled type.....	.10	.25
			MRS. CUTHBERTSON SPENCER —Standard clear rose-pink, wings white, with faint blush of pink.....	.10	.25
			OTHELLO —Of immense size, rich maroon.....	.10	.25
			PRIMROSE SPENCER — The finest of its class, clear primrose color, fine large wavy standard and wings white seeded.....	.10	.25
			ROSABELLE SPENCER — Attractive; rose-crimson color with a distinct white blotch at the base of the standard and wings; perfect form; very much waved.....	.10	.25
			ROYAL PURPLE SPENCER —A new shade in Sweet Peas, a rich purple and almost a true royal purple.....	.10	.25
			THE PRESIDENT —The flowers are large size; it is a brilliant glowing scarlet....	.10	.25
			WHITE SPENCER — Splendid uniform white.....	.10	.25
			WEDGEWOOD SPENCER — Producing usually four flowers to a stem, of unique shade of Wedgewood blue..	.10	.25
			ST. L. S. CO.'S SPENCER MIXTURE — These include the best of the "Spencer" varieties introduced previously to this year and also entirely new shades.....	.10	.15



¼ lb., 50c; 1 lb., \$1.75.

ST. L. S. CO'S. "NOVELTY" COLLECTION

The greatest bargain ever offered in Sweet Peas. Ten big packets of the famous Spencer Varieties and Cultural Leaflet on Growing Sweet Peas mailed, postpaid, for 50c.

If you care at all for these pretty flowers, do not fail to save a place in your garden for our "Novelty" collections of Spencers. The cultural directions with each collection give full explanation how to grow these flowers to perfection. Include one of these collections with your next order. Price: 10 pkts., 50c, postpaid.

SWEET PEA COLLECTION

Of Grandiflora Varieties

ELEVEN packets of Grandiflora, Unwin and Cupid varieties of Sweet Peas for 25 cents is a rare bargain. While these varieties have not won the popular favor that the Spencer varieties have, yet they are very beautiful and you are sure of excellent results.

11 Packets, 11 varieties.....25c
 SUPERB MIXED GRANDIFLORA—All colors. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.25.

CUPID VARIETIES

COMPACT, dwarf plants, 7 inches high, covering a circumference of about 18 inches, covering the ground like verbenas. Fine for low beds and pot culture.

MIXED—Different colors. Price: Pkt., 10c; oz., 15c; ¼ lb., 50c.

THUNBERGIA

MIXED (Blackeyed Susan) — Handsome foliage and flowers. Used for a screen or basket. 1-2. hh. A. 6 ft. Price: Pkt., 10c; ½ oz., 50c.

PERENNIAL PEAS

LATHYRUS LATIFOLIUS (Perennial, or Everlasting Pea). A hardy perennial climber, flowering the first year if seed is sown in the fall. Leaves and stems smooth. Flowers resemble sweet peas, but are borne on strong stems, with eight to ten blossoms to the stem.

Pink	Pkt.	Red	Pkt.
White	\$.010	Mixed	\$.010
	.10		.10

VERBENA (hh. P.)

ONE of the finest bedding plants and also suitable for borders, with its heads of brilliant colored flower, producing one mass of blooms throughout the Summer.



Mammoth Strain Verbenas.

MAMMOTH VERBENAS

WE HAVE been carefully selecting and improving this fine strain of Verbenas for years, and can recommend it as the very best procurable. The trusses and individual flowers are of the largest size, of brilliant colors, free-blooming and of vigorous habit. For best and quickest results seed should be sown early in the house or hotbed, and transplanted to flowering quarters in May. If sown outdoors in May, it blooms from the end of July on. Verbenas are better grown from seed than from cuttings, being more vigorous and not liable to disease.

ST. L. S. CO'S MAMMOTH—	Pkt.
Scarlet	\$.010
Blue Shades .....	.10
Pink—Deep pink .....	.10
White—Pure white .....	.10
Lutea Yellow .....	.10
Purple Mantle .....	.10
Mixed—Finest colors	½ oz., 90c .10

GREAT FLORAL CLOCK MIXTURE—This splendid new variety is a very dwarf, compact growing Bush-Verbena, with large trusses of all fine colored flowers, in shades previously unknown in this class. Excellent for dwarf beds and borders. Price: Pkt., 15c; ¼ oz., 50c.

FINE MIXED—All in good colors. Price: Pkt., 5c; ½ oz., 40c.

ST. LOUIS SEED COMPANY—"Pure and Sure" Seeds

VINCA—PERIWINKLE

THESE are very bright annuals which should be included in every garden. They are most attractive, with their dark green glossy leaves and their beautiful and large flowers. The plants grow about 15 inches tall and branch freely, making compact bushes which during the latter part of summer and all during the fall are covered with blooms. They may be grown successfully in any kind of soil and can withstand quite adverse weather conditions. They will thrive and bloom where many other annuals will not make any show. Whether used for borders or solid beds, they will always attract attention. Upon approach of freezing weather the plants may be lifted and transplanted into large flower-pots for winter blooming in the house. They are also useful for planting in porch boxes or window boxes. The flowers, when well grown, measure 1½ inches across. They are of a five-petaled star shape. Sow the seed thinly after the trees are out in leaf.

Rosea—Fine rose color.....	Pkt.	\$0.10
Rosea Alba—White, rosy eye.....	.10	
Alba Pura—Clear, pure white.....	.10	
All Colors, Mixed.....	.10	

VIOLETS (Sweet Scented)

VIOLA ODORATO (Semperflorens)—Is the well-known English Violet, a free-flowering hardy perennial. May be grown from seed. Succeeds best in a partially shaded, moist place. h. P. Price: Pkt., 10c.

WAHLENBERGIA See Platycodon. Page 57.

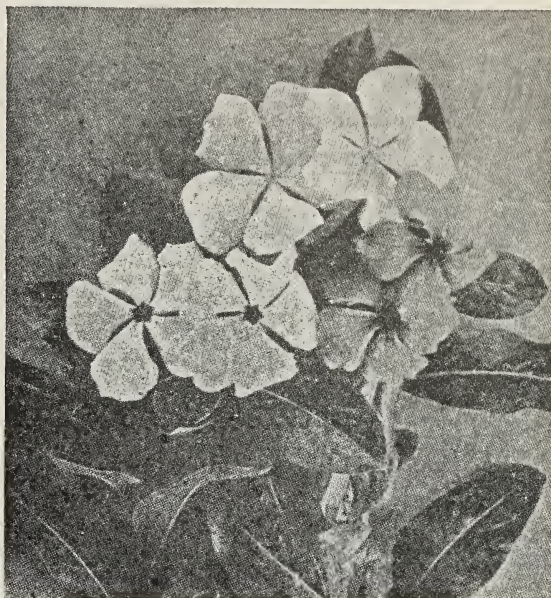
WALL FLOWER

A BEAUTIFUL hardy perennial of exquisite coloring, producing long, showy spikes in abundance. h. P.

EXTRA EARLY PARISIAN—Blooms in August and continues until checked by frost; magnificent golden yellow single flowers on long spikes; deliciously fragrant. Price: Pkt., 10c.

DOUBLE MIXED.....Price: Pkt., 10c

SINGLE MIXED—1 foot.....Price: Pkt., 10c



Vincas

WILD GARDEN FLOWER SEED

UNDER this heading we offer a mixture of the easiest and surest growing kinds that can be sown broadcast, and with little or no care will produce a bright effect in places that would otherwise be nothing but a collection of unsightly weeds, and furnishing an abundance of flowers for cutting.

Annual—Price: Pkt., 10c; ½ oz.....	\$0.25
Perennial Mixed—Price: Pkt., 10c; ½ oz.....	.40

WILD CUCUMBER

WILD CUCUMBER—Rapid-growing annual climber. Has beautiful leaf and pretty fragrant white flowers. Price: Pkt., 5c; oz., 15c.

WOOLFLOWER—CHINESE

THIS novelty was introduced several years ago and has proved a great success everywhere. There is not the slightest doubt but that it is the most magnificent garden annual ever introduced. Its ease of culture and long continued season of bloom (early July until frost), together with its massive bunches of wool-like flowers and glowing color combine to make it the showiest as well as the most odd and novel flower of most any garden.

Plants grow two to three feet high, the bloom starting early with a central head, round and globular, which often reaches the immense size of two feet in circumference. Scores of branches are thrown out, each bearing a ball of scarlet wool, but not so large as the central one. All these branches support numerous laterals with small heads of bloom mixed with fresh green foliage, so that a plant looks like an immense bouquet splendidly arranged and set in the ground. None of the blooms fade in any way until hit by frost; but all continue to expand and glow with a deepening richness of color, a deep crimson scarlet.

Start seed, if convenient, under glass about four weeks before time to transplant to the garden. If the little plants remain too long in pots or seed-beds they will begin to set bloom, which is not desirable. Transplant to the garden soon as danger of frost is past.

Crimson.....	Pkt.	\$0.10
Pink.....	.10	



Woolflower—Chinese.

GIANT ZINNIAS

(YOUTH AND OLD AGE)

ONE of the most popular and most extensively used of all our hardy annuals. The following list comprises a very choice strain of large variety and of the most brilliant colors. Requires but little attention; will grow in any good garden soil. If sown in gentle heat in March, will flower latter part of June and continue until killed by frost.

ZINNIAS

GIANT DAHLIA FLOWERED—In 1920 we offered for the first time a new type of Zinnia, the Dahlia Flowered, which we predicted would take precedence over the Grandiflora type of Zinnia as did the Spencers over the Grandiflora type of Sweet Peas.

This year we are offering the Dahlia Flowered Zinnia in six distinct shades, which we believe will please the most critical eye, and tend still further to increase the popularity of this remarkable flower.

We ask you to bear in mind that Dahlia-Flowered Zinnias come in pastel shades, and the distinctive manner in which the pigments are distributed throughout the petals makes them extremely difficult to describe.

EXQUISITE—By far the most pleasing of our collection. Truly DAHLIA flowered as regards form and size. Color light rose with center a deep rose. Price: Pkt., 25c.

GOLDEN STATE—A very rich orange yellow. Yellow in the bud, turning to an attractive orange when in full bloom. Price: Pkt., 25c.

CRIMSON MONARCH—By far the largest and best of the red shades. Flowers often eight inches in diameter. Plants very vigorous. A marvelous production of extraordinary merit. Price: Pkt., 25c.

DREAM—A fine, deep lavender, turning to purple—a new, desirable shade in Zinnias. Price: Pkt., 25c.

POLAR BEAR—A very large pure white, the best white yet seen in Zinnias. True Dahlia form. Price: Pkt., 25c.

CANARY BIRD—A delicate shade of primrose, very large and holds its color well until out of bloom. Price: Pkt., 25c.

DAHLIA-FLOWERED, MIXED—These flowers have a very marked distinction from the ordinary giant-flowering class, being of a true Dahlia-flowering type—a fine mixture of the very best colors. Price: Pkt., 15c; ½ oz., \$1.50.

ST. LOUIS SEED COMPANY'S GIANT DOUBLE ZINNIAS

(Giant Zinnia)

THIS mammoth strain has produced excellent results to hundreds of customers who have grown it with great success. The plants are of exceedingly robust habit.

The flowers are borne on long, stiff stalks, of a semi-globular form, are mostly very double, and, together with their immense size, produce a very marked effect.

The flowers, as the illustration will indicate, measure from five to six inches across, this being by no means unusual. Zinnias being a very popular flower for bedding and old-fashioned gardens, and also of special value for cutting purposes, these new colors cannot but make a valued addition to our already standard varieties.

	Pkt.
Mammoth Double Purple	\$0.10
Mammoth Double Scarlet —very bright .....	.10
Mammoth Double Red .....	.10
Mammoth Double White .....	.10
Mammoth Double Golden Yellow ....	.10
Mammoth Double Rose Shade.....	.10
Mammoth Double Orange .....	.10
Mammoth Double Salmon Pink.....	.10
Mammoth Double Mixed, all Colors, ½ oz., 50c.....	.10

CURLED AND CRESTED—The petals of this beautiful strain are twisted, curled and crested into the most fantastic and graceful forms. The colors comprise all the brilliant shades characteristic of the Zinnia. Mixed—Price: Pkt., 10c; ½ oz., 40c.

DWARF DOUBLE

THIS we consider the best Zinnia for general use, forming bushy, compact plants not over 2 feet high, and bearing large perfect double flowers in good clear distinct colors. The salmon-rose variety is especially effective. Mixed. Price: Pkt., 5c; oz., 50c.



Dahlia Flowering Double Zinnia

HARDY EVERBLOOMING FIELD-GROWN ROSES

Our Hardy Dormant Roses are ready for delivery from the first of March until the fifteenth of April

By Parcel Post, add 5c for Postage.

THIS class of Roses are continuous bloomers the entire Summer, but are not entirely hardy in this section, and should be protected during the Winter months with a covering of straw or any handy material. To obtain the best results, in addition to the covering of the tops, protect around the roots with 5 to 6 inches of well-rotted manure. This will give added strength to the plants, and additional bloom the following Summer.

SOIL—Roses delight in a clay loam, enriched with well-rotted barnyard manure. Dig up the soil thoroughly to a depth of 12 to 15 inches, pulverize well; do not raise beds above the level of the surrounding soil. Soak the bed occasionally during the Summer with weak manure water.

CAPTAIN HAYWARD (H. P.)—Of largest size. Color glowing crimson, very bright and rich. About the best H. P. in the entire class. **Price: Each, 60c; doz., \$6.50.**

J. B. CLARK (H. P.)—Brilliant crimson with intense scarlet lights on the upper surfaces. In size, form, color and texture it stands supreme in its color. It is very fragrant, a vigorous grower, fine foliage. **Price: Each, 55c; doz., \$6.00.**

COLUMBIA—This beautiful Rose has not only become one of the most popular winter cut flowers, but has also proven itself one of the best bedding or garden varieties. It is of strong, vigorous habit of growth and exceptionally free-blooming. The flowers, which are of good size, are perfect in form, both in bud as well as when fully expanded. In color it is a most pleasing shade of rose-pink and delightfully fragrant. **Price: Each, 60c; doz., \$6.50.**

CRUSADER (Montgomery, 1920)—A big, strong growing variety, robust and rugged in every characteristic; the growth is heavy and the flower stems strong and heavy. It is free flowering, and the blooms are big and double, and in color a rich velvety crimson. A free flowering red Rose that is a wonder. **Price: Each, 75c; doz., \$7.25.**



FRAU KARL DRUSCHKI—Undoubtedly the finest pure white Rose in existence. Color a pure snow white, very long buds, shell-shaped petals opening to very large flowers. A continuous and exceedingly free bloomer. **Price: Each, 55c; doz., \$6.00.**

GEN. JACQUEMINOT—An old favorite. It is superb in bud, and its large flowers are bright scarlet-crimson, but not very double. Blooms quite freely in Autumn. **Price: Each, 55c; doz., \$6.00.**

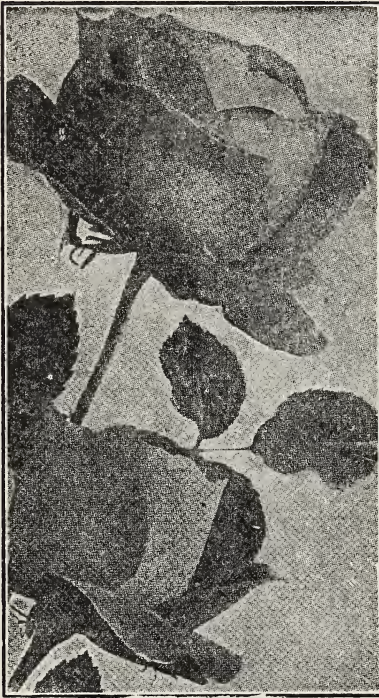
GRUSS AN TEPLITZ—This grand Rose has proved one of the best and most valuable Hardy Crimson Ever-blooming Roses for garden planting. The color when first opening is a very dark, rich crimson; as the flower opens it discloses bright scarlet, shading to velvety, fiery red. The flowers on well grown and established plants are large and full, very showy and handsome. **Price: Each, 60c; doz., \$6.50.**

YELLOW—Deep golden yellow, full and fragrant, hardy everywhere. Of strong growth. Blooms the earliest of all roses. Should be pruned very little. **Price: Each, 60c; doz., \$6.50.**

HUGH DICKSON—A new hybrid perpetual of the highest order. Awarded gold medal by the National Rose Society. Flowers are large, full and perpetual; color brilliant crimson, shaded with scarlet. **Price: Each, 60c; doz., \$6.50.**



ROSES—Continued



Paul Neyron.

LOS ANGELES, H. T.—This rose is a giant among H. T.'s. One of the largest, and possibly the largest of them all. An unusually strong, vigorous grower, of ideal form, buds long and pointed, expanding into an immense flower of perfect shape. Color is a lovely flame pink, toned with coral. **Price: Each, \$1.25.**

MAGNA CHARTER—This grand old favorite has not been superseded by any variety in its class of this color. Bright, deep pink. One of the hardiest and finest of all garden Roses; large and attractive. Hardy and healthy. **Price: Each, 55c; doz., \$6.00.**

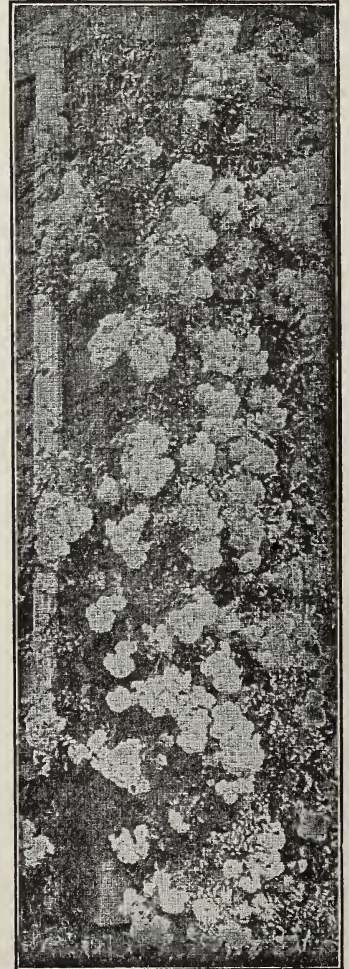
MAMAN COCHET PINK—Called by some the Queen of all Pink Garden Roses, as it is one of the handsomest in our whole list. Its large, full and firm buds show wonderful depth and richness of color as they open into very large, perfectly double flowers of splendid substance. A clear, rich pink, changing to silvery rose. **Price: Each, 55c; doz., \$6.00.**

MAMAN COCHET WHITE—A duplicate of its parent, the well-known and justly popular Maman Cochet, except in the color of its flowers, which are creamy white tinged on the edge of the petals with pink. The finest white rose for growing out of doors. **Price: Each, 55c; doz., \$6.00.**

CLOTHILDE SOUPERT—Known the world over as one of the very best of all bedding Roses. The color effect is beautiful ivory-white, shading towards the center to bright silvery-pink. **Price, Each, 55c; doz., \$6.00.**

PAUL NEYRON—Flowers of immense size, often five inches in diameter. Color deep, clear rose, very fresh and pretty. The plant is a strong, healthy grower, with glossy foliage. **Price: Each, 60c; doz., \$6.50.**

Plant "Pure and Sure" Seeds



Crimson Rambler.

HARDY CLIMBING ROSES

Roses sent by Express.

DESIRABLE for covering trellises, walls or porches, as they succeed under any circumstances. Perfectly hardy, blooming in clusters of medium sized flowers.

CRIMSON RAMBLER—Have you a fence or tree stump to cover, or a veranda or trellis. Try a Climbing Rose—there's nothing better for covering it and nothing prettier. None is more popular than the **CRIMSON RAMBLER**. It makes vines 10 to 12 feet high after the first year, and a mass of flowers. **Price: Each, 50c.**

CLIMBING AMERICAN BEAUTY—A Rose of great merit. A cross between American Beauty and an unnamed seedling; color a rosy crimson. The plant is of strong habit of growth, making shoots of ten to fifteen feet in one season, and as hardy as an oak. The flowers are from three to four inches in diameter, of fine form, and are produced in great profusion, not only in May and June, but there is a fair sprinkling of flowers throughout the growing season. **Price: Each, 65c.**

DOROTHY PERKINS or PINK RAMBLER—A seedling of the famous Crimson Rambler. Blooms in clusters of from 8 to 25 flowers each, of a delicate rosy pink shade, suffused salmon and yellow at the base. **Price: Each, 40c.**

EXCELSA—A distinct variety in form, color and habit. A vigorous grower. The foliage is dark glossy green. Flowers very double, produced in large trusses, thirty to forty on a stem. The color is intense crimson maroon; points of the petals tipped with scarlet. **Price: Each, 40c.**

TAUSENSCHOEN—"A thousand times beautiful," if not over-estimating the beauty of this new and distinct Rambler. The individual flowers are very large for this type of Rose, being fully 2 to 3 inches across, and of decidedly graceful form. Opening flowers pink, rosy carmine when expanded; are produced in large trusses of from ten to fifteen flowers. **Price: Each, 50c.**

HARDY ORNAMENTAL SHRUBS

Ready for shipment from March 1st to April 10th.

Note—Shrubs will be shipped on receipt of orders or as soon as they can be dug, unless instructed to the contrary, and can only be sent by Express, at Purchaser's expense.

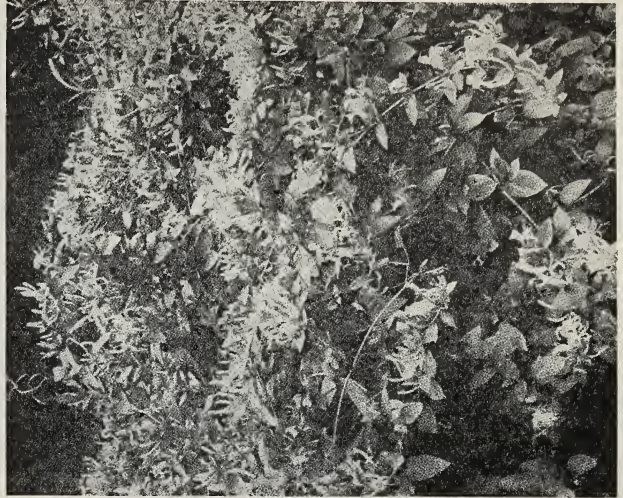
THE use of shrubbery adds materially to the beauty and attractiveness of the home grounds or perhaps shrubs combined with shade trees, with some conception as to the effect to be produced in future years, is a matter to be considered by everyone who wishes to complete the picturesqueness of a villa residence or country home. Shrubs around a house hide unsightly corners, and the hard straight lines of the architecture; or grouped at a distance, by the sides of walks, carriage drives, and fences, they break what might be a monotonous line of vision over bare lots, and give a tone of privacy to the home surroundings. Everywhere one can find places that will suggest their use, and when in flower, or adorned with their bright and varied foliage, their charm and beauty will be appreciated from early spring until late fall when most of them display their brightest colored leaves, to be followed by the red berries of many during the winter months. Those who are not well acquainted with varieties and are doubtful as to what to plant, we shall be glad to help in selecting, and make suggestions for grouping, for all sites and purposes.

ORNAMENTALLY VINES

If sent by mail add 5c per vine.

AMPELOPSIS VEITCHII (Sometimes called "Boston Ivy" and "Japan Ivy")

ENTIRELY hardy in the exposed places, attaining a height of 20 to 30 feet in two or three years, clinging to stones, brick or wood work with the greatest tenacity. It is a great protection to houses, as the leaves, lapping over each other like slates on a roof, effectually prevent rain from penetrating the walls. For covering dead trees, boundary walls, etc., it has no equal. Beautiful Autumn foliage. Price: Strong two-year plants, each, 40c; 10 for \$3.75.



Hall's Japan Honeysuckle.

CLEMATIS

THE Clematis we offer this season are exceptionally fine, strong 2-year-old plants. We have reduced the number of varieties to such sorts as from experience, we know to succeed best in our climate.

HENRYII, LARGE WHITE—A pure white large-flowering variety, of fine form, and recognized as by far the finest of the single white sorts. Price: Each, 75c.

MADAME EDOUARD ANDRE—Flowers large, of a beautiful bright velvety red, very free-flowering. Price: Each, 75c.

JACKMANI—The best known and most valued large flowering variety of this popular family. A perfect mass of bloom when in full flower. Color, dark, rich, royal purple. Price: Each 75c.

CLEMATIS PANICULATA—This grand climbing vine is one of the most valuable ever sent to us from Japan. Blooms in the early Fall and is one mass of fleecy-white, fragrant flowers. These are succeeded by the silken seed vessels almost as ornamental as the flowers. It will grow 15 to 20 feet in a season, it is insect-proof, it is perfectly hardy, it adapts itself to all situations, thrives everywhere, and need only be seen to be admired. Price, strong two-year plants, each 40c; 10 for \$3.75.

HONEYSUCKLE (Climber)

HALLIANA (Hall's Japan Honeysuckle)—A strong, vigorous, almost evergreen sort; white flowers changing to yellow; very fragrant; flowering from July to December; holds its leaves nearly all winter. Extra-selected plants. Price: Each, 60c.

SCARLET TRUMPET HONEYSUCKLE—This and its varieties are the handsomest in cultivation. It is a strong, rapid grower and produces scarlet, inodorous flowers. Price: Each, 60c.

BUSH HONEYSUCKLE

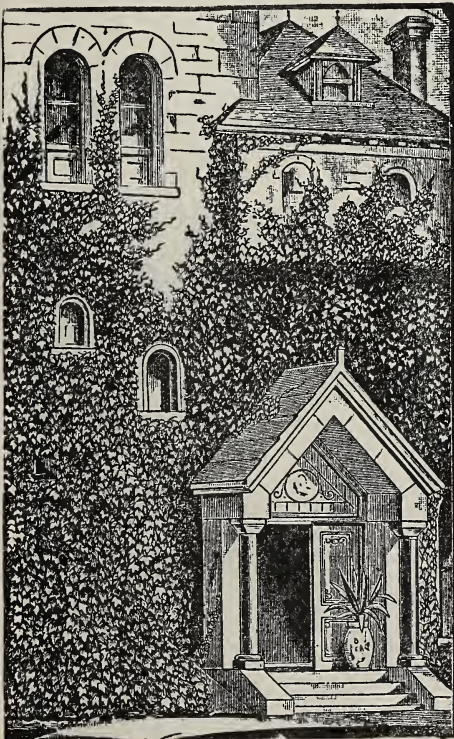
LEBERBOURI ROSEA (Bush)—Pink flowers, which contrast beautifully with the foliage; scarlet berries. Price: Each, 50c.

WISTERIA

A BEAUTIFUL hardy climber, will grow in one season about 20 feet high; flowers in clusters, pale blue.

W. SINENSIS (Chinese)—Flowers in clusters; pale blue; sometimes gives a second crop of flowers in the Fall. Strong plants. Price: Each, 65c.

W. SINENSIS ALBA—Of similar habit to sinensis, with pure white flowers. Strong plants. Price: Each, 65c.



Ampelopsis Veitchii.

HARDY ORNAMENTAL SHRUBS

Ready for shipment from March 1st to April 10th.

NOTE—Shrubs will be shipped on receipt of orders or as soon as they can be dug, unless instructed to the contrary, and can only be sent by Express, at Purchaser's expense.

ALTHEA

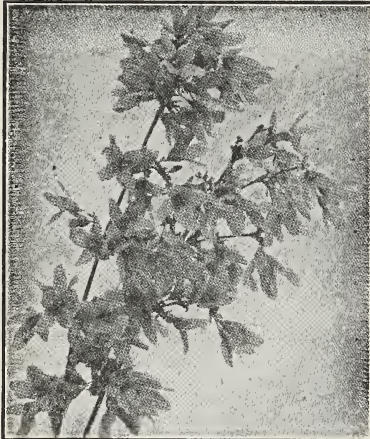
HIBISCUS—(Rose of Sharon)

THIS has become one of the most popular flowering shrubs, coming in flower, as it does, in July or August, when few shrubs are in bloom. The entire plant is covered with beautiful double flowers, which, at a distance, look like roses. They make a very pretty flowering hedge. Three-year-old plants. About three feet high.

	Each	10 for
Red	\$.60	\$5.50
Pink .....	.60	5.50
White .....	.60	5.50

CALYCANTHUS

FLORIDUS—A well-known native bush, bearing very double, purple, fragrant flowers. Fine and glossy foliage; pineapple-scented, chocolate-colored flowers all Summer; leaves dark green above and pale grayish beneath, a favorite shrub. Price: Each, 60c; 10 for \$5.50.



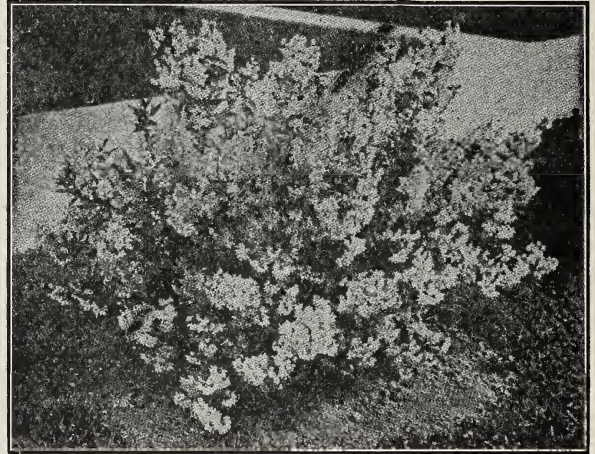
Forsythia.

HEDGE PLANT

THE demand for hedge plants increases rapidly in all communities, especially in the older communities where they have disposed of the various kinds of fences surrounding and dividing one party's buildings from another. Hedges in the rear of town lots, along the alley, are being planted more and more as their beauty and utility become known.

CALIFORNIA PRIVET—Of all the shrubs which have been tried for hedging, none can compare with this. Of easy growth and splendid foliage, free from insects. Its inexpensiveness alone would give it first place for the purpose. It is now planted by the million annually. It is of free growth, and succeeds under the most adverse conditions, such as under dense shade of trees, where other plants would not exist. Price: 18 to 24 inches high, 10 for \$1.25; 20 for \$2.00; 50 for \$4.25; 100 for \$8.00.

BARBERRY THUNBERGIA — Perfectly hardy. Will make a dense hedge from 3 to 4 feet high, which will always remain symmetrical without any pruning. Bears large, nearly round, crimson berries, which remain on plants all winter. Foliage colors beautifully in autumn. Compact, low-growing, especially suitable for a hedge or as a border along walks and drives. Price: 10 for \$4.50; 100 for \$33.00.



Deutzia.

DEUTZIA

VERY ornamental and popular shrubs with showy white or blush flowers appearing in tassel-like clusters in Spring or early Summer. Slender, arching branches.

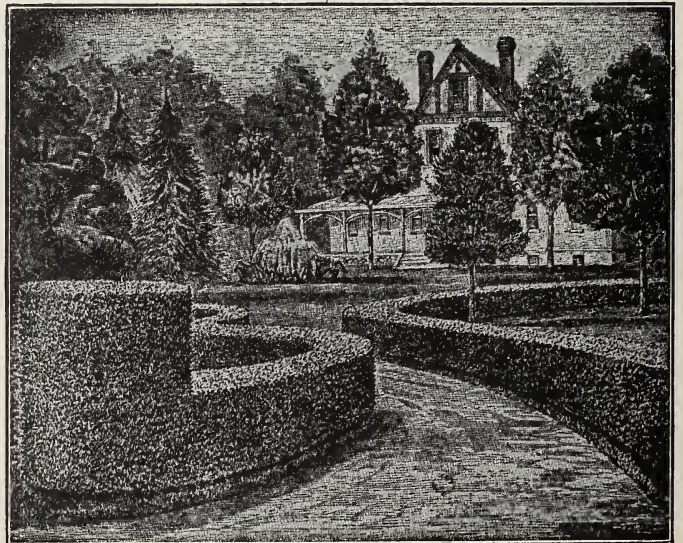
PRIDE OF ROCHESTER—Grows to 6 feet. Blooms in May in advance of the others. With very large, double white flowers. Price: Each, 60c; 10 for \$5.50.

DEUTZIA CRENATA (Double Pink Deutzia)—A tall shrub usually 6 to 8 feet high with numerous upright branches. Leaves dull green, rough on both sides, 2 to 3 inches long. Flowers double, pink. Price: Each, 60c; 10 for \$5.50.

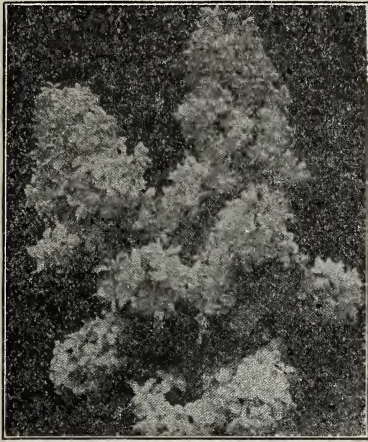
FORSYTHIA

FORSYTHIA FORTUNEI—Strong, erect habit, bright, golden-yellow flowers in early Spring. Price: Each, 60c; 10 for \$5.50.

SUSPENSIVA (Weeping Golden Bell)—A tall shrub of willowy growth, the branches gracefully arching, covered with golden-yellow bells in early Spring. Price: Each, 60c; 10 for \$5.50.



California Privet.



Lilac—Syringa.

HYDRANGEA PANICULATA GRANDIFLORA

THIS is one of the most hardy shrubs in cultivation. It attains a height of 3 to 4 feet, and is perfectly hardy in all parts of the country. The flowers are white, borne in immense pyramidal panicles nearly a foot in length. It commences flowering in July and continues until November. 3 to 4 feet. **Price: Each, 70c; 10 for \$6.50.**

LILAC OR SYRINGA

LILACS (Syringa)—Lilacs stand more neglect, heat or drought without showing any bad effects, than any other plant, and there is hardly any other shrub that can take their place.

LARGE PURPLE—Very free bloomer of large flowers; an excellent variety; 3 to 4 feet. **Price: Each, 65c; 10 for \$6.00.**

LARGE WHITE—Free bloomer. **Price: Each, 65c; 10 for \$6.00.**

SNOW BALL

ONE of the most handsome bushes for the yard, known as Snowball Tree; of large size, with globular clusters of pure white flowers, blooming latter part of May; admired by home lovers everywhere; 3 to 4 feet. **Price: Each, 60c; 10 for \$5.50.**

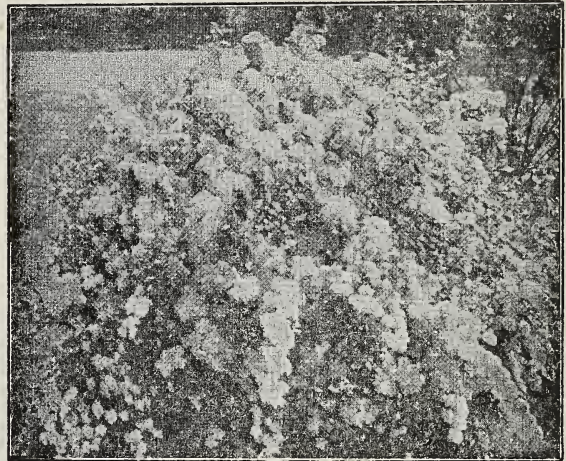
SPIRAEA

ANTHONY WATERER—A valuable and distinct variety; color bright crimson; it is of dwarf, dense growth, never exceeding 30 inches in height; in bloom the entire summer and fall. **Price: Each, 50c; 10 for \$4.50.**

VAN HOUTTE—The grandest of all the Spiraeas. It is a beautiful ornament for the lawn at any season, but when in flower it is a complete fountain of white bloom, the foliage hardly showing. An early bloomer, 2 to 3 feet high. **Price: Each, 50c; 10 for \$4.50.**

THUNBERGU—One of the first Spiraeas to bloom. Dwarf habit and graceful form; flowers small, white and very early spring blooming. Very beautiful when in bloom. **Price: Each, 50c; 10 for \$4.50.**

Shrubs Sent by Express Only.



Spiraea Van Houtte.

SYRINGA OR MOCK ORANGE

PHILADELPHUS—For grouping with other shrubs, forming large screens or hedges which may not require pruning, or used as single specimen lawn plants they are desirable. Fragrant, pure white flowers, in dense clusters so numerous as to bear the branches down when flowering. **Price: Each, 60c; 10 for \$5.50.**

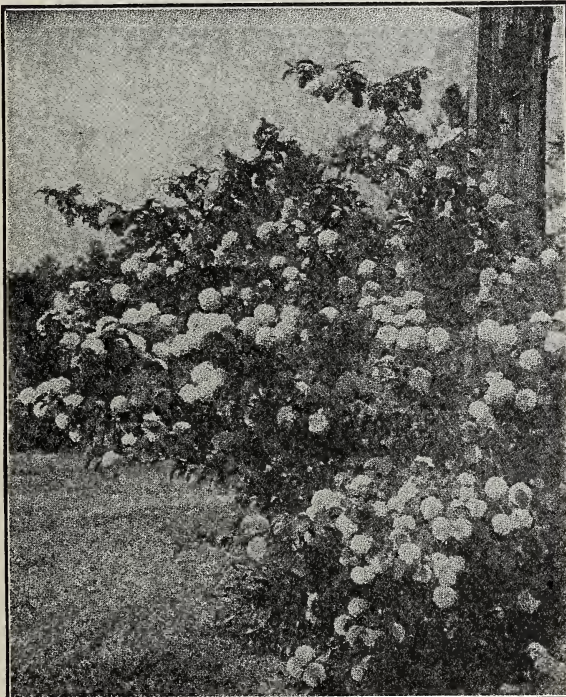
TAMARIX (Tamarisk)

STRONG, slender, tall-growing, irregular shrubs, with feathery foliage and small, delicate flowers, borne profusely on gracefully-bending branches. These pink flowers are very attractive during May. **Price: Each, 60c.**

WEIGELIA

CANDIDA—Of vigorous habit, flowers pure white and produced in great profusion in June, and continue to bloom at intervals through the Summer. **Price: Each, 60c; 10 for \$5.50.**

EVA RATHKE—A charming new Weigelia, flowers brilliant crimson; a beautiful, distinct, clear shade. **Price: Each, 60c; 10 for \$5.50.**



Snowball or Viburnum.

ORCHID or LARGE-FLOWERING CANNAS

Ready for shipment during March and April.

By Parcel Post, add 5c dozen postage.

OF ALL summer bedding plants, Cannas are the tallest and bulkiest, and furnish the widest range of colors. Their foliage is of noble proportions, making a full compact mass which serves to conceal the ground or background, and is of itself attractive in rich shades of green, bronze, red and chocolate. The surmounting flower trusses are uniformly large and free, brilliant with most of the colors and combinations known among flowers.

Massed plantings in one color are recommended as being most effective; but many beautiful and striking combinations of colors may be arranged.

PLANTING DIRECTIONS.

DORMANT Canna roots may be started indoors during March or April, but should not be set out until the weather is settled and the ground warm, usually May or June in this latitude. When planting dormant roots, do not set too deep. The eyes should be 2 inches below the surface. Plant in good, rich garden soil mixed with one-half of old, rotted stable manure. Set them about 18 inches apart each way. Water sparingly the first two weeks after planting; when growing freely, water liberally. Our list embraces the best of the novelties and old standard varieties, every one of which we recommend to our customers. We give the approximate height attained by the different varieties so that they may be properly arranged in bedding.

CANNAS

RED FLOWERING, GREEN FOLIAGE

CHARLES HENDERSON—Deep crimson yellow, flame at throat. 3½ feet high. Price: Dozen, 60c; per 100, \$4.75.

CRIMSON BEDDER—Dazzling crimson-scarlet, well displayed above the foliage. This is one of our own hobbies, and has been for years, without exception, our most conspicuous and satisfactory red bedding Canna. 3½ to 4 feet. Price: Dozen, 60c; per 100, \$4.75.

METEOR—Magnificent bedding variety with massive erect trusses of deep blood-red flowers, produced with a freedom that leaves nothing to be desired. The best deep red large-flowered Canna; 5 feet. Dozen, 75c; per 100, \$6.00.

THE PRESIDENT—Four feet. This Canna is superior to any other red variety in the quality and also the quantity of bloom. Color rich glowing scarlet and the immense firm flowers are produced on strong erect stalks well above the large, rich green foliage. The foliage is entirely free from disease. Price: Dozen, \$1.00.

WINTZER'S COLOSSAL—Without doubt the largest flowered Canna to date, over 8 inches across. Strikingly vivid scarlet that retains its brilliancy. 5 feet. Price: Dozen, 75c; per 100, \$6.00.

BRONZE LEAF, RED FLOWERING

DAVID HARUM—A very fine, brilliant vermilion. Has bronze foliage and is very free flowering. One of the finest bronze varieties for bedding. 3½ feet. Price: Dozen, 60c; per 100, \$4.75.

KING HUMBERT—The grandest Canna ever offered. Large, heart-shaped leaves of purple madder brown over bronze, the dark ribs sharply defined, crowned with immense heads of Orchid-like flowers. Individual petals are of the largest size; velvety orange-scarlet flecked carmine; rose tinted at margin and base. 4 to 4½ feet. Price: Dozen, 75c; per 100, \$6.00.

NOKOMIS—Five feet. Large vivid crimson flowers with a rich silky sheen on the large petals. Price: Dozen, 75c; per 100, \$6.00.



A trial of our *Novelty Collection of Sweet Peas* will prove it to be an exceptionally choice assortment of the best named varieties of recent introduction of the Giant-flowering type. See our *Novelties Collection* on page 62.

RED, GOLD EDGED CANNAS

By Parcel Post, add 5c Doz. Postage.

NIAGARA—3 feet. Flowers deep crimson with wide irregular border of golden yellow. **Price: Dozen, 60c; 100 for \$4.75.**

PANAMA—3 feet. Color rich orange-red with a border of golden yellow. Flowers of large size with enormous wide petals. **Price: Dozen, 60c; 100 for \$4.75.**

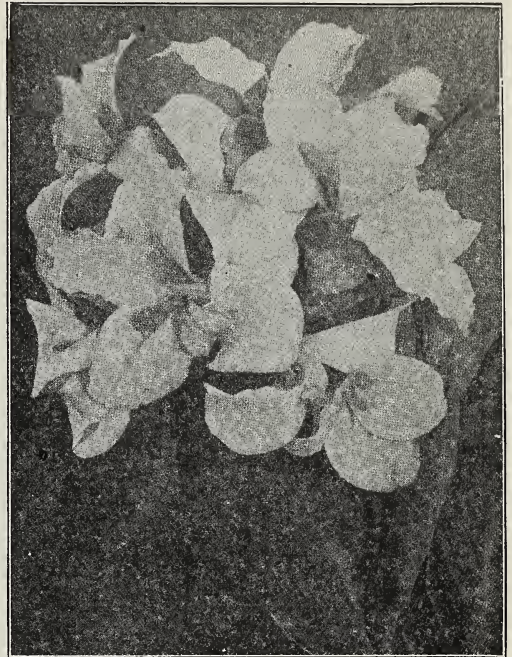
SOUV. DE ANTOINE CROZY—3 feet. Beautiful red, enlivened with a broad border of golden yellow. **Price: Dozen, 60c; 100 for \$4.75.**

PINK FLOWERING CANNAS

CITY OF PORTLAND—3½ feet. The flowers are of the largest size, borne on heavy trusses. The color is a glowing shade of pink. The foliage is substantial and strong, of rich green color and free from defects. **Price: Per dozen, \$1.00.**

SHENANDOAH—4 feet. Flowers salmon-pink borne in large clusters, foliage rich ruby-red. **Price: Dozen, 60c; 100 for \$4.75.**

MRS. A. R. CONARD—3 to 4 feet high. One of the most popular and exquisite cannas. The flower has the ideal canna shape with broad rounded petals opening wide and on a heavily filled truss so as to hide the past blooms. Color an exquisite, soft, opaque pale pink with darker pink, almost a brown in throat. **Price: Dozen, \$1.00.**



SEEDS BY PARCEL POST

We Pay Postage on Packets, Oz., ¼ Lb. in U. S., for Pounds, see Parcel Post Rate, Page 1.

ORANGE AND YELLOW SHADES

GLADIATOR—4½ feet. A leader for years. Color is a bright yellow spotted with crimson. No other cannas in this color can surpass this sturdy robust grower. **Price: Dozen, 60c; 100 for \$4.75.**

GOLDEN GATE—When first opened this flower is the true sun color, a glorious golden yellow, but it soon turns paler and pinker till it is a tender apricot and gold. Beautifully shaped large flowers. **Price: Dozen, 60c; 100 for \$4.75.**

KARL MERCK—4 feet. Flower a pure yellow with tinge of orange and flecked with pink dashes becoming red in throat. Fine large flowers and large truss. Strong grower. **Price: Dozen, 60c; 100 for \$4.75.**

ORANGE BEDDER—Our own introduction. Superior to all preceding varieties of this color. Awarded Certificate of Merit by the Society of American Florists, 1917. Particularly attractive bright orange, with just enough scarlet effusion to intensify the dazzling mass of color. A very free bloomer; 5 feet. **Price: Dozen, 60c; 100 for \$4.75.**

YELLOW KING HUMBERT—An orchid-flowering sort of the well-known variety King Humbert. Has the same habit as its parent; foliage a very dark green with flowers measuring 5 to 7 inches across; individual petals 3 to 3½ inches in diameter. Color of flower a deep rich yellow softly spotted and blotched with bright red. **Price: Dozen, 75c; 100 for \$6.00.**



Yellow King Humbert.

WHITE CANNAS

EUREKA—Our own introduction and the best white Canna for all purposes. The large substantial flowers are very freely produced on strong, vigorous plants; 4½ feet. **Price: Dozen, 75c; 100 for \$6.00.**

DAHLIAS

Dahlias by Parcel Post, add 5c each Postage.

THE Dahlia deserves a place in every garden, much more so than it did twenty years ago; with the new varieties added each season and the extraordinary array of colors which they possess, the time must come when every lover of flowers will always have a few, if not large tracts, of these beautiful Summer and Fall flowers.



Cactus Dahlia

PAUL'S SCARLET—Extra large, a variety of brilliant coloring that should be in every collection, good form and remarkable free-flowering habit; in color a brilliant red.

PERLE DE LYON—Pure white; very free blooming and dwarf. 4 feet.

PINK PEARL—Beautiful flesh pink, shading to white in the center. 4 feet.

ROYAL PURPLE—This is one of the best purple Cactus Dahlias. Its velvety maroon shade is very striking. The flowers are very large with long stems and stand out well from the foliage.

SPRINGFIELD—For perfection of bloom, size and erectness of stem, abundance of flowers and general use as a garden flower, this variety has always given excellent satisfaction. It is undoubtedly the most profuse bloomer offered. The color is a rich salmon, tinted. 3 feet.

STANDARD BEARER—Bright, pure scarlet. Flowers large, thick and full to center, of symmetrical and perfectly round form, petals semi-quilled. Extraordinarily productive and one of the best red, cut flowers.

TIME OF PLANTING—The time for planting Dahlias varies quite a good deal, according to the locality, whether sheltered or open, earliness or lateness of the season, and the time when the general crops are desired. In the Central states tubers may be set out as early as May 1st in some sections and from then until the middle of June. Some of our best blooms have been grown from tubers planted out about June 20, obtaining the choicest flowers during the latter part of September. Dahlias should be planted from 2½ to 3 feet apart and covered to a depth of four inches.

CACTUS DAHLIAS

THIS is a selection of varieties made with a view of supplying the amateur with an assortment of Cactus sorts, which in our own experience we have found to be the freest-flowering sorts.

COUNTESS OF LONSDALE—A pleasing blending of Salmon-pink and amber; an early and profuse bloomer under any conditions.

EARL OF PEMBROKE—The flowers are very large, and exceedingly beautiful, borne on long, graceful, wiry stems. The color is deep purple.

FLAME—Orange scarlet; florets are long and twisted; flower is carried on a good stem. 4 feet; of very largest size; an early, free and continuous bloomer on long slender stems, one of the best.

KINDS PINK—A beautiful formed flower; color deep lavender; free bloomer.

LAWINE—Color pure white. The loosely formed flowers of great size completely hide the foliage of the entire plant, giving it the appearance of a pile of snow. 4 feet.

YELLOW GEM—Pure lemon yellow of very largest size; an early, free and continuous bloomer on long slender stems, one of the best.

Price, each of the above, 20c each; \$2.25 dozen. By mail add 3c each.

SHOW AND FANCY DAHLIAS

BLUE OBAN—A fine shade of bluish purple, good bloomer, one of the most prominent garden Dahlias.

BURLEIGH—One of the finest show Dahlias, color deep red tipped white, fine for cut flowers.

BUFF BALL—A splendid buff, beautifully quilled, of perfect form, and very free-flowering.

RED HUSSAR—Tall, bushy, upright. Flowers full, fiery cardinal, with bronze edge at bottom.

QUEEN VICTORIA—Rich golden yellow, quilled petals. A strong grower and a profuse bloomer.

VIVIAN—Show. Large and of beautiful colorings. Center of blossom dark magenta, the inside of the petal being much lighter cerise. A large and excellent Dahlia.

Price: Each, 20c; dozen, \$2.25. By mail, add 3 cents each.

DECORATIVE DAHLIAS

THE Decorative type of Dahlias being of a distinct class is nearly allied to the Cactus type. In habit and character of plants they are very similar; but in the blossom of the Decorative type the petals are very broad, their width being nearly half the length, while in the Cactus the petals are long and narrow and usually curled and twisted.

BLUE OBAN—Lavender, with a beautiful tint of blue. The nearest to blue of any Dahlia in existence. Very desirable on account of its peculiar color.

CRIMSON BEAUTY—Early, bright red, a fine bloomer; this variety should be in every garden.

CHOCOLATE—A perfect flower, fine form, color chocolate.

DELICE—A valuable addition to the cut-flower varieties; remains fresh long after cutting, long stems, perfect form. The color is a beautiful, soft, glowing rose-pink, shading slightly lighter to the center.

JACK ROSE—The identical shade of the rose with the same name; and an ideal comparison to the celebrated “Jack Rose,” resembling in both color and beauty. This variety is exceedingly free, carrying its fairly large flowers on very erect stems in greatest abundance; flowers early, and during the hot weather the color is likely to burn somewhat.

KING OF THE AUTUMN—This is a great Dahlia, both as a cut flower as well as for garden decoration. Its habit of growth is ideal, producing an abundance of flowers of good size, 6 inches or more in diameter.

LE MONT BLANC—Gigantic pure white flowers of perfect form.

MINA BURGLE—A seedling named and originated by Mr. Burgle, a California Dahlia lover. This new introduction is one of the finest varieties to date; a champion variety, producing flowers of gigantic size, and remarkable beauty. The best in existence; in color, a glowing and most brilliant scarlet.



ROYAL PURPLE—This is one of the best purple Cactus Dahlias. Its velvety maroon shade is very striking. The flowers are very large with long stems and stand out well from the foliage. In color it is one of the most effective and pleasing autumnal tints, a luminous salmon-pink passing to a golden suffused buff near the edges.

SYLVIA—Best described as a giant Nymphaea. Flowers 4 to 6 inches in diameter, of fine form and full to the center, which is white shaded to soft pink on the outer petals. Valuable cut-flower for long-distance shipments.

QUEEN MARY—This is a stronger grower than Delice. A large flower with full, rounded center. The color is a soft shade of pink.
Price of the above: Each, 20c; dozen, \$2.25.

CENTURY DAHLIAS

ROSE PINK CENTURY—The largest and best deep pink; enormous flowers on long 3-foot stems; sure and continuous bloomer, vigorous plant. Height, 5 feet.

WHITE CENTURY—Pure white; very large and finely formed. A profuse bloomer on long stems.

ST. LOUIS—One of the best Red Dahlias for cut flowers.
Price for the above: Each, 20c; dozen, \$2.00.

PAEONY-FLOWERED DAHLIAS

THE Paeony-flowered Dahlia has made itself very popular with us and more so with our customers.

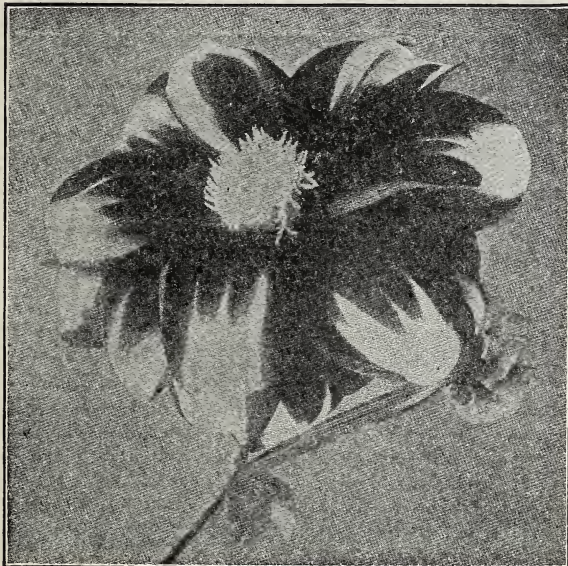
BARON G. DE GRANCY—Creamy white; some flowers come single, all incurved or cup-shape. Slightly fragrant. 4 ft.

ELECTRA—A bluish mauve shade with an exquisite golden yellow center. Free flowering.

PEARL—A lavender pink variety, large size flower, keeps well when cut.

PRIDE OF MILWAUKEE—A deep velvety maroon; a very attractive flower.

SUV. DE MILWAUKEE—Yellow base tipped deep rose. Very large, free and early blooming.
Price: Each, 20c; dozen, \$2.00.



Paeony-Flowered Dahlia.

SELECT GLADIOLI

Gladioli, by Parcel Post, add 5c per Doz.



THE Gladiolus is one of the most called-for of our Summer-flowering bulbs. In the following list of varieties we offer only those which we have grown with satisfactory results.

It is needless to say that Gladioli at the present time produce some of the finest colors and most exquisite shades; especially beautiful are the delicate contrasts of the outer segments and the deep veining and heavily colored blotches of the throat, thus making the Gladiolus one of the most attractive Summer-flowering bulbs. We advise the planting of Gladioli during May and June, and should successive plantings be made, flowers may be had until October.

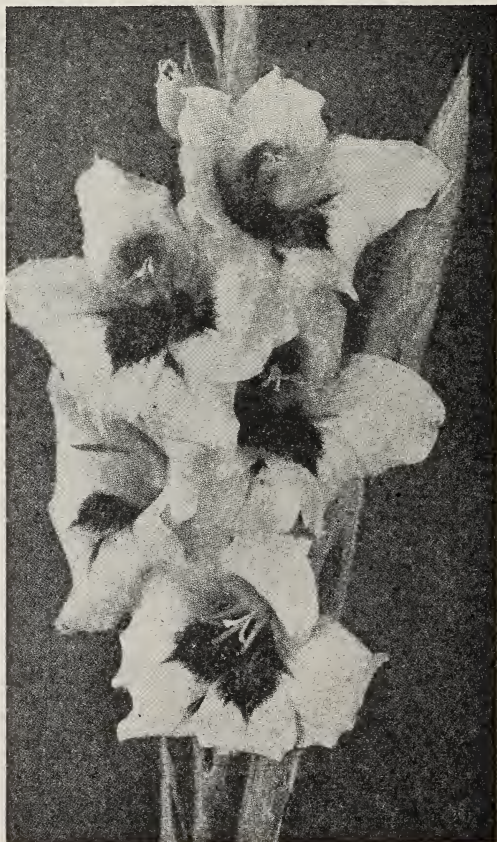
Gladioli thrive in almost any good garden soil; but if well prepared, by adding stable manure, better results may be obtained.

AMERICA—A splendid Gladiolus. The color is a soft pink very much like the Enchantress Carnation except slightly tinged with lavender, effecting a perfect color harmony. A splendid bedding sort and an excellent cut flower. It is undoubtedly the most desirable variety in the market. Extra large bulbs. **Price: Dozen, 40c; 100 for \$3.50.**

ANNIE WIGMAN—Pale yellow, dark blotch. **Price: Dozen, 75c; 100 for \$6.00.**

AUTUMN QUEEN—Color cream yellow suffused with pink with carmine stripe. **Price: Dozen, 90c.**

PLANT
"Pure
and
Sure"
Seeds



Mrs. Frank Pendleton.

AUGUSTA—Flowers are of perfect paper white, with a slight pink shade on lower half of the petal. The spike is set solid and perfect with the flowers from top to bottom. **Price: Dozen, 60c; 100 for \$4.50.**

CHICAGO WHITE—A fine white variety with lavender stripes on lower petals. Medium sized flowers borne on a tall spike and from seven to eight flowers open at a time. **Price: Dozen, 50c; 100 for \$4.00.**

EMPRESS OF INDIA—Rich velvety dark red with deeper shadings. **Price: Dozen, 75c; per 100, \$5.50.**

GLORY OF HOLLAND—A new white with slight tinting of pale pink and anthers of delicate lavender. Blossoms large and gracefully set on a tall spike. One of the finest whites. **Price: Dozen, 90c; 100 for \$7.00.**

HALLEY—The predominating color of these flowers is delicate salmon pink with a slight roseate tinge, though the lower petals bear a creamy blotch with a stripe of bright red through the center, the whole producing a delightful effect. **Price: Dozen, 50c; 100 for \$4.00.**

IDA VAN—A most beautiful deep salmon red or flaming orange pink. Very rich brilliant color. **Dozen, 75c; 100 for \$6.00.**

GLADIOLI—Continued

INDEPENDENCE—A brilliant rose-pink, with richly marked throat; a long spike of wax-like flowers; one of the best for cut-flowers or massing, because of its color and lasting quality of the blooms. **Price: Doz., 50c; 100 for \$4.00.**

KLONDYKE—The flowers are of medium size and of great substance; clear primrose yellow with a crimson blotch in the throat. Of dwarf habit. **Price: Doz., 60c; 100 for \$4.50.**

MRS. FRANCIS KING—Is a strong grower, vigorous and healthy. Has long, strong foliage and effective flower-spikes. The magnificent flowers measure $4\frac{1}{2}$ inches across, and there are five or six flowers well spread out on the spike at the same time. The color, brilliant flamingo-pink, blazed with vermilion red. **Price: Doz., 40c; 100 for \$3.00.**

MRS. FRANK PENDLETON—Immense round flowers of great substance. Coloring most attractive; vivid pink toning off blush, the lower petals being further ornamented with large velvety orange-red blotches in the throat; tall, strong grower. **Price: Doz., 75c; 100 for \$6.00.**

NIAGARA—In color the flowers are a delightful cream shade with the two lower inside petals or segments blending to canary yellow. The throat is splashed with carmine, and the lower ends of the outside petals are also blushed with carmine. The stamens are purple and the stigmas pale carmine, this little addition in the coloring relieving the creamy effect of the petals. **Price: Doz., 75c; 100 for \$6.00.**

PANAMA—Exquisite and magnificent, being fully the equal of America in form and size, but superior to it in color, being more on the order of salmon-pink. Wherever this variety has been exhibited it has secured first premiums. European growers have endeavored to secure the entire stock. **Price: Doz., 60c; 100 for \$4.50.**

PEACE—Immense pure white flowers with a touch of carmine in the lower petals. These are borne on tall, graceful spikes; a beautiful and exceedingly refined variety. **Price: 75 for \$6.00.**

PRINCIPINE—Brilliant red with pinkish white blotch; large, well-expanded flower of good substance. **Doz., 90c.**

PRIMULINUS HYBRIDS—Self colors that are most pleasing on account of their delicacy, slenderness and peculiar form. The petals are quite thin, making the veining very prominent. They vary from pale yellow to bright orange salmon, apricot and light scarlet. These graceful flowers are of medium size, with the upper segments somewhat drooped, making a quite distinct hooded form. **Doz., 50c.**

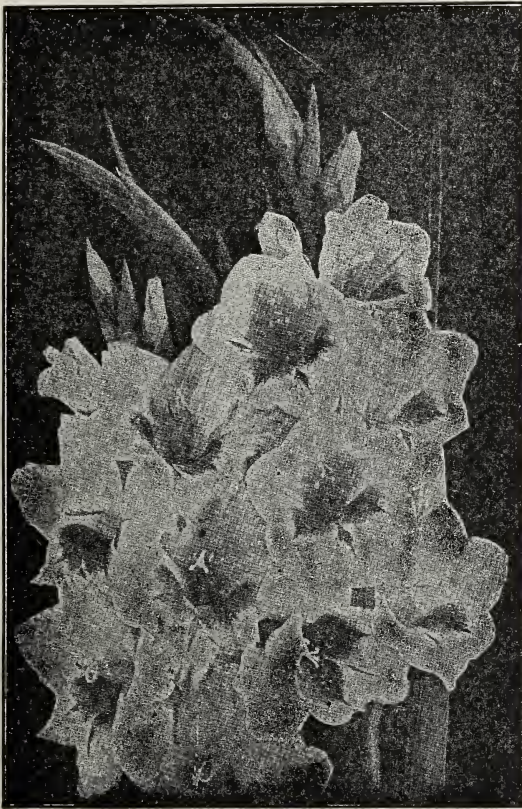
SCHWABEN—A meritorious variety of wonderful vigor with strong erect spikes and large flowers of a clear yellow color. Small blotch of deep garnet in throat. **Price: Doz., 75c; 100 for \$6.00.**

WAR—A magnificent dark variety with tall spikes well filled with large flowers of a rich blood-red shaded with crimson-black. **Doz., 90c.**

WILLY WIGMAN—A creamy white ground delicately rose tinted with a large soft carmine conspicuous blotch on lower petals. **Price: Doz., 75c; 100 for \$6.00.**

“PURE AND SURE” GARDEN MIXTURE

THIS is our popular, low-priced mixture, and is composed of fine sorts, in all colors, in first-size bulbs only. We have tested many brands of mixtures, but have never seen any which surpassed it in variety of coloring or general excellence. **Price: Doz., 40c; 100 for \$3.00.**



America.

Most plants will be benefited by an occasional top-dressing during the growing season with either Pulverized Sheep or Poultry Manure. See pages 3 and 88.

CALADIUM ESCULENTUM

(Elephant's Ear)

ONE of the most effective plants in cultivation for beds, borders or for planting out upon the lawn; they are used extensively in many of the public parks, where their decorative value is greatly appreciated. To obtain the best results it should be planted where it will obtain plenty of water and an abundance of rich compost. When full size it stands 5 to 7 feet high, and bears immense light green leaves, 3 to 4 feet long by 2½ feet wide.

	Weight		
	Each	Doz.	Each
Mammoth bulbs	\$0.50	\$5.00	2 lbs.
Large bulbs .....	.35	4.00	1 lb.
First Size bulbs .....	.25	2.50	½ lb.
Medium bulbs .....	.15	1.50	¼ lb.

FANCY LEAVED CALADIUMS

CALADIUMS (Fancy Leaved)—Dry Bulbs, 1½ to 2 inches in diameter. For window boxes, show plants, or greenhouse growing they are invaluable. Rich, thrifty leaves, more handsome than Begonias; marbled, veined and striped with white, pink and dark red. Bulb should be started into growth about April 1st, in a warehouse. Price: Each, 25c.

CINNAMON VINE

A BEAUTIFUL, rapid-growing Summer climber, with bright green, glossy foliage, and spikes of deliciously cinnamon-scented, white flowers. It is perfectly hardy, the stem dying down in Winter, but growing with great rapidity in the Spring, so as to cover any trellis or arbor very early in the season. Large, select roots. Price: Dozen, 60c.



Caladium.

HARDY JAPAN LILIES

By Mail Add 15c Dozen Postage.

Beautify your Home Garden with Flowers

LILIES have always been regarded as among the most beautiful of garden plants. Of queenly beauty, faultless purity and stately form, too much cannot be said in their praise and we are glad to notice their increasing popularity from year to year. Nearly every variety will, with a little care, endure the severity of our winters and many are among the most hardy of our garden flowers.

Bulbs should be planted as soon as the frost is out of the ground; the earlier the better. Select a well drained spot, dig the soil deep and make it fine, enriching it abundantly with well rotted cow manure, adding a liberal mixture of sand. Set the bulbs from three to five inches deep, according to size. During the winter it is advisable to cover the surface of the bed with a thin layer of manure, which will afford a slight protection to the bulbs and also materially enrich the soil.

AURATUM—The glorious, gold-banded lily of Japan and one of the most superb plants in cultivation. Its immense ivory-white flowers are thickly studded with yellow and crimson spots, while in the center of each petal is a golden band, fading at its edges into the white. Such choice bulbs as we offer, if well cared for, will give five to ten magnificent flowers the first year and under good cultivation will, after becoming well established, give from ten to fifty. Price: Each, 40c; Dozen, \$4.50.

SPECIOSUM ALBUM—Pure white flowers with a greenish band through the center of each petal; of great substance, very fragrant. One of the best for general culture. Price: Each, 40c; Dozen, \$4.50.

SPECIOSUM RUBRUM—No words can overstate the brilliant beauty of these famous Japanese Lilies. The six broad white or pink petals are thickly dotted with rose or crimson spots and the graceful form and brilliant color make them very effective and desirable. Especially thrifty and hardy. One of the best for garden culture. Price: Each, 40c; Dozen, \$4.50.

MELPOMENE—Words cannot describe the beauty of this variety. Frosted white spotted, clouded and bordered with pinkish crimson. Petals deeply recurved and widely bordered. Price: Each, 40c; Dozen, \$4.50.



Linum Speciosum Rubrum.

MADEIRA VINE

A FAVORITE tuberous-rooted climbing plant with dense and beautiful shining foliage and of very rapid growth, twining on strings to a great height or forming garlands in many fanciful forms. It will grow anywhere, but does best in a warm, sheltered, sunny location. It is also a very pretty plant for training around the windows in the house. Price: lb., 30c. By Parcel Post, add 5c lb.

HERBACEOUS PEONIES

Sent by Express Only

Time of Delivery—All roots can be delivered from early March until the end of April, and again from September on and until freezing time in the Fall.

THE old-fashioned Peony officinalis of our grand-mother's garden, while still popular because of their early flowering, have been eclipsed by the wonderfully improved sorts introduced in recent years. They are the "Queen of Spring Flowers," and are well adapted for massing in beds, and particularly valuable for planting in groups throughout the perennial or shrubbery border, where their brilliant hues add attraction to all around. Their requirements are so simple—a good, rich, deep soil, and an open, sunny position—which, however, is not absolutely necessary, as they thrive almost equally well in a partly shaded position, and a liberal supply of water during their growing season being sufficient to give an abundance and wealth of flowers, which rival the finest roses in coloring and fragrance, and produce during their flowering season a gorgeous effect not equaled by any flower, and once planted they take care of themselves, increasing in beauty each year.



SELECT NAMED PEONIES

DUCHESS DE NEMOURS—Superb ivory white; fragrant; medium to large; crown type; medium early to midseason; vigorous; good stems; blooms freely. **Price: Each, 50c; 10 for \$4.50.**

DUCHESS D'ORLEANS—Medium to large; dark carmine pink guards, center soft pink interspersed with salmon; fragrant; bomb type; midseason; extra strong, vigorous growth. **Price: Each, 50c; 10 for \$4.50**

EDULIS SUPERBA—Beautiful deep-rose pink, large and of good form; fragrant flowers; a fine variety. **Price: Each, 50c; 10 for \$4.50.**

FESTIVA MAXIMA—Very large, pure-white flowers; tall and vigorous stalks, early. **Price: Each, 60c; 10 for \$5.50.**

FLORAL TREASURE—Bright delicate shell pink, large, fragrant and a free bloomer in clusters; vigorous; much used for cut flowers. Rose type; midseason. **Price: Each, 60c; 10 for \$5.50.**

QUEEN VICTORIA—A strong-growing pure white variety with creamy-white center. **Price: Each, 50c; 10 for \$4.50.**

OFFICIALIS—Old-fashioned, fragrant; double dark red. **Price: Each, 65c; 10 for \$6.25.**

ZOE CALOT—Beautiful rose pink; large and of good form; fragrant and very early. **Price: Each, 50c; 10 for \$4.50.**

TUBEROSE

By mail add 10c Doz. Postage.

THE flowers of this popular plant are waxy-like, one of the most delightfully fragrant and beautiful of the summer-flowering bulbs. By skillful management a succession of flowers may be obtained all the year round. For early flowers they can be started in February or March in the greenhouse or hotbed; and for a succession they can be planted at intervals as late as July. For flowering in the open border, plant about the middle of May, or as soon as the ground becomes warm.

DOUBLE PEARL TUBEROSES

ONE of the most delightfully fragrant and beautiful of the Summer flowering bulbs. By skillful management a succession of flowers may be obtained all the year around. For early flowers they can be started in February or March in the greenhouse or hotbed; and for a succession they can be planted at intervals as late as July. For flowering in the open border plant about the first of May, or as soon as the ground becomes warm. Strong flowering bulbs, 10 cents each; \$1.00 per dozen; \$7.00 per 100.

MEXICAN EVER-BLOOMING SINGLE

THE most free-blooming tuberose in existence. It is a native of the tableland district of Mexico. Each bulb produces only one flower spike; but the peculiar feature is the making of new bulbs, as the original one is blooming, which flower as soon as the old bulb has finished, thereby yielding a succession of bloom throughout the season.

These bulbs may be planted out as early as the first of May and as late as the middle of June, and flowering in about eight weeks' time, they continue until after the first frost. The flower stalk is tall and stiff, usually bearing from six to twenty pure white blooms, having the same delightful odor as the regular double variety. The stalks when cut will last for a great length of time in water and the flowers will also increase in size.

This Mexican Ever-blooming Tuberose is easily grown in the house or greenhouse and makes one of the best and most useful varieties for forcing. **Price: Dozen, 60c; per 100, \$4.00.**



Tuberozes,

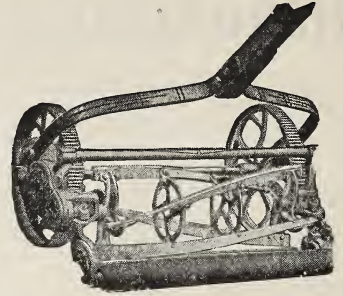
LAWN MOWERS

"PHILADELPHIA" LAWN MOWER STYLE A ALL STEEL.

Being all steel, it is practically indestructible. Excellent for large areas where a good mower is necessary.

Cylinder with 4 blades. Driving wheel, 10 inches. Diameter of cylinder, 6 $\frac{1}{8}$ inches. Train of 3 gears on one side. Double ratchet.

Size	Price
17 inch	\$27.50
19 inch	28.75

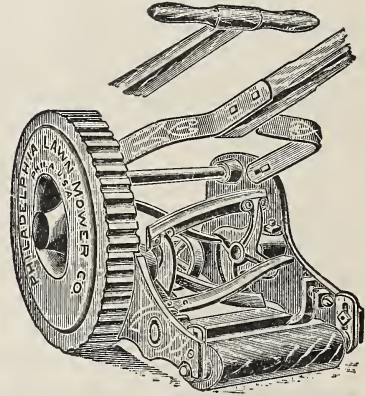


LAWN TRIMMER

LAWN TRIMMER—Will cut smoothly to $\frac{1}{4}$ inch of wall, making use of shears unnecessary. Built for durability and service. Cylinder with 4 blades. Driving wheel, 8 inches. Diameter of cylinder, 5 $\frac{1}{4}$ inches.

Size	Price
6 inch	\$6.50

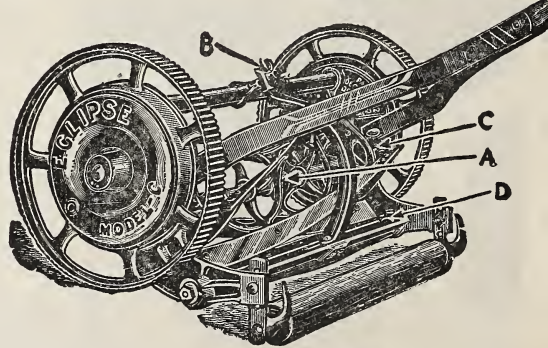
GRASS CATCHER—Heavy gauge galvanized wire frame, covered with extra quality 8-oz. green and white striped canvas sides and back. 14 to 16 in., each, \$1.50. 18 to 20 in., \$2.00.



THE ECLIPSE Self Sharpening LAWN MOWER

Direct drive from both sides. Made of the best materials. Any owner can sharpen this mower by reversing the blades. Cylinder with 4 blades. Driving wheels 10 inches. Patented bronze bearings.

Size	Price
14 in.....	\$15.00
16 in.....	16.50
18 in.....	18.00



THE LADY

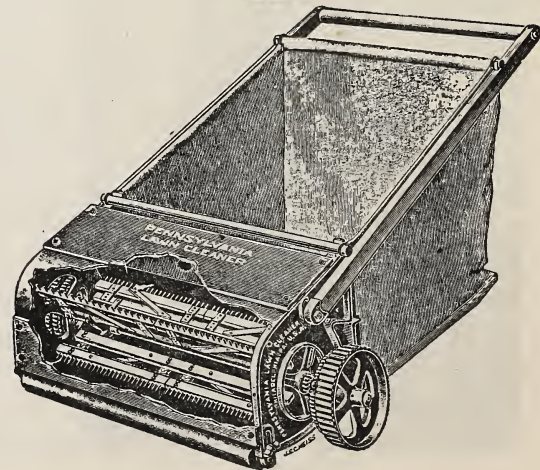
Built of the same high grade material as the Eclipse. The reel is 6 in., four blade controlled with ball ratchets and held in plain adjustable bearing. The drive wheels are 8 in.

This is a very strong built mower that will give good service for many years, and yet is sold at a low price.

Size	Price
14 in.....	\$7.50
16 in.....	8.25
18 in.....	9.00

PENNSYLVANIA ROTARY LAWN RAKE

This is virtually a revolving lawn comb, having flexible steel wire teeth which go between the blades of grass and comb out all dead grass, crab grass, leaves, sticks and other rubbish. It leaves the grass standing upright. The action of the three revolving rakes raises up the creeping crab grass and other low growing weeds so the lawn mower can cut them before going to seed, thus effectually ridding the lawn of annual weeds. It has a dumpable collecting box. This work is most effectually accomplished by the use of the Pennsylvania Gem Lawn Cleaner and Rake. One man can do more work than four with rakes. (See cut.) Price: 24-inch machine, \$35.00. (Weight packed for shipment, 90 lbs.)



MOE'S ALL STEEL GARDEN TOOLS

Made of heavy pressed steel, all one piece, and practically indestructible. No loose wood handles, and nothing to break.

The handles are formed round and smooth, no rough edges and are just the right size and shape to afford an easy grip.

They have the proper hang or balance, are stiff and strong, without unnecessary weight. High grade durable tools. Handsomely finished in baked black enamel, with ground and polished points.

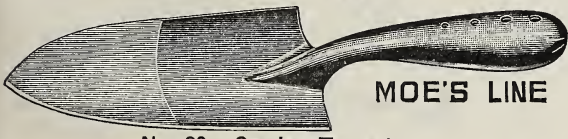


No. 87. Hand Weeder.



MOE'S LINE

No. 82. Garden Weeder.



MOE'S LINE

No. 80. Garden Trowel.

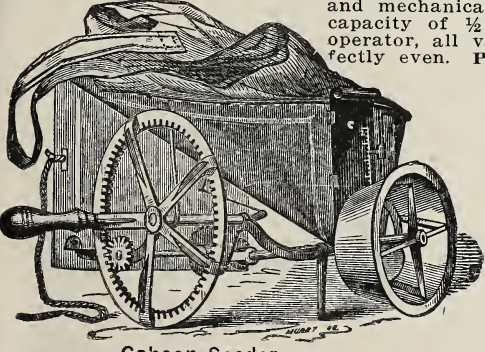


MOE'S LINE

No. 81. Transplanting Trowel.



No. 88. Dandelion Weeder.



Cahoon Seeder.



THE
CYCLONE
SEEDER

CAHOON'S BROADCAST SOWER

For sowing Clover, Timothy, Millet, Oats, Wheat, Hemp, Barley, Rye, Rice, Buckwheat, etc. Standard Seeder of the World—A Model for Accuracy and Durability—Malleable Iron Frame—Steel Hopper and Gate—Brass Discharger.

The breadth of the cast will be according to the weight of the seed. Wheat and Rye, 30 to 36 feet. Oats, 21 to 25 feet. Barley, 27 to 33. Clover, Millet, Hungarian Seed, 20 to 24 feet. Hemp, 27 to 30 feet. Timothy, 15 to 18 feet. Price: \$4.00; \$4.25 postpaid.

No. 80. Garden Trowel. One-piece pressed steel. Handsomely finished in black baked enamel. Length of blade, 6 in. Ground and polished points. Shipping weight, 1 lb. Each\$0.25

No. 81. Transplanting Trowel. One-piece pressed steel. Handsomely finished in black and baked enamel. Length of blade, 6 in. Width, 1 3/4 in. Price.....\$0.25

No. 82. Garden Weeder. One-piece pressed steel. Handsomely finished in black baked enamel. Has five steel fingers, and is one of the most useful and handiest garden tools made. Ground and polished points. Price.....\$0.25

No. 85. Garden Trowel. Made of a single piece of heavy galvanized steel. Handle and blade all in one piece. No wood handles to break or come off. An excellent tool at a low price. Price.....\$0.10

No. 87. Hand Weeder. Made of one piece of hard, stiff steel. Ground edges and black enameled handle. Shipping weight, 1 lb. Price, each.....\$0.15

No. 88. Dandelion Weeder. Made of one piece of hard, stiff steel. Ground point and black enameled handle. Shipping weight, 1 lb. Price, each.....\$0.25

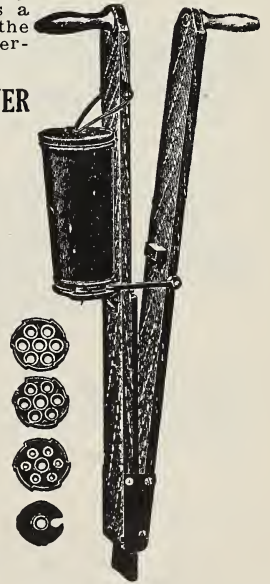
CORN PLANTER—The Eclipse Rotary has positive feed. Four changes of disc (one disc for seed or broom corn). No planter is complete without wheel to drop one grain to replant drilled corn. Price, each.....\$2.50

CYCLONE SEED SOWERS

The material used in the construction of the Cyclone is of the best throughout. The machine is practically and mechanically built. The hopper or sack has a capacity of 1/2 bushel. It sows, with ease to the operator, all varieties of grain and grass seed, perfectly even. Price: \$2.00; \$2.15 postpaid.

LIGHTNING TIN HORN SEED SOWER

Has long tin sectional tube, having sack attached; also has adjustable feed for different grains and quantities. Suitable for small seeds only. Will spread seed evenly from 30 to 40 feet. Method of sowing is by swinging tube in horizontal position from right to left, which closely resembles the old method by hand. Price: \$1.00; \$1.10 postpaid.



Corn Planter.

GARDEN IMPLEMENTS

FOR the gardener, the proper tools are just as essential for the performance of their works as for any man.

On this and the following pages are listed tools of every description that will aid in better gardening. They are not novelties or playthings but real factors in the production of the best that is to be had from your work in the garden.

ACME WEEDER OR HAND CULTIVATOR—Combination hoe and cultivator combined. Made of solid steel. Price: Each, \$1.25.

ASPARAGUS KNIFE—Highest grade crucible steel, highly polished blade, 7¾ inches long, 1¼-inch blade, fastened by two rivets in highly polished hardwood handle. Price: Each, 50c.

E. Z. HAND WEEDER—(See cut.) Price: Each, style A, 25c.

EXCELSIOR HAND WEEDER—For weeding seed beds, stirring soil in hotbeds, etc. Price: Each, 15c.

FRUIT PICKERS—Attach to pole of any desired length. Saves all climbing, especially on young trees. Price: Each, 60c.

GARDEN DIBBLE—All iron; is used for transplanting small plants. Has polished steel point. Price: Each, 35c; D Handle, 50c.

GARDEN SET—Three Pieces: Shovel, 6x4¾-inch blade, 42-inch handle; Hoe, 4x3½-inch blade, 48-inch handle; Rake, 5¾-inch head with six 2½-inch bent teeth. Price: \$1.50 per Set.

GARDEN HOE—Highest grade crucible forged steel, oil tempered polished blade. Price: \$1.00.

GARDEN RAKE—All steel, with short teeth, for walks and driveways. Price: 16 teeth, each, \$1.50.

LAWN RAKE, OLE OLSON—The wooden teeth in this rake are mortised through the head and clinched in a way that holds them absolutely tight and rigid. Price: 26 teeth, each, \$1.45.

POTATO HOOK—Highest grade crucible forged steel tumbled finished prongs, oil tempered and carefully tested; bent head. Price: Each, \$1.25.

SPADING FORK—Four flat diamond back tumbled finished tines, 6¼ inches long; spread (extreme width), 6 inches; malleable D handle, with wood grip. Price: Each, \$1.50.

TURF EDGER—9-inch crucible steel polished blade, tempered and sharpened; gold bronzed solid steel socket; blade and socket in one piece; 4-foot selected ash handle. Price: Each, \$1.25.

TREE PRUNERS, WATER'S—The best Pruner on the market. Price: 8 ft., \$2.50; 10 ft., \$2.75; 12 ft., \$3.00. Extra Blades, each, 50c.

SPHAGNUM MOSS—Extensively used for filling Fern and Orchid baskets, mixing with potting soil covering tops of pots to preserve moisture, etc. Price: Lb., 10c; bale, about 20 lbs., \$2.00.

RAFFIA

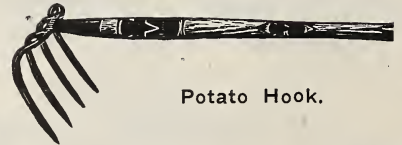
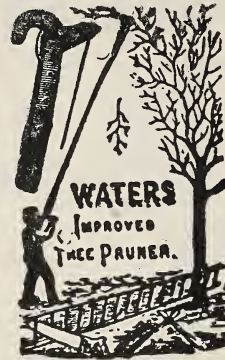
WE WILL furnish you the finest quality of Raffia on the market in different colors. The natural Raffia is also used for tying up plants in field or greenhouse. Price: Natural, lb., 30c; skein, 10c; colored, skein, 15c; 1 lb. pkg., \$1.25. Postage extra.

REED

USED for basket making, lattice work, etc. We carry all sizes adapted for schools, homes, etc.

No. 1—1 roll, \$0.15; 1 lb., \$1.15 No. 4—1 roll, \$0.15; 1 lb., \$1.00
 No. 2—1 roll, .15; 1 lb., 1.10 No. 5—1 roll, .15; 1 lb., .35
 No. 3—1 roll, .15; 1 lb., 1.05 No. 6—1 roll, .15; 1 lb., .90

By Mail, add Postage 10c per lb.



Potato Hook.



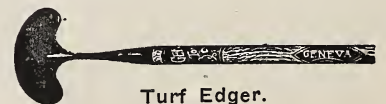
Spading Fork.



Garden Rake.



Rake.



Turf Edger.



Asparagus Knife.



Acme Weeder or Hand Cultivator

GARDEN IMPLEMENTS—
Continued



Beet Hoe

BEET HOE—A handy little tool for gardeners to thin out lettuce, beets and other small vegetables: 8-inch handle. **Price: Each, 50c.**

EDGER PLANET JR.—To keep grounds looking neat and attractive, the grass bordering all walks must be frequently edged and this will do the work quickly and with little effort, no matter if the walks are straight or curved. **Price: \$2.00.**

GARDEN TROWEL—4-inch, riveted handle. **Price: Each, 20c.**

HAND SPADING FORK—These forks are well made, the tines are polished about half-way and adjoining part enameled blue. **Price: 11-inch, 40c.**

HEDGE SHEARS—8-inch, with notch. The "notch" is at the heel of the blades, for cutting small branches. **Price: \$2.50; 6-inch, \$1.75.**

LANG'S HAND WEEDER—In our opinion this is the best of all weeders. **Price: Each, 25c.**

MOLE TRAP—Is designed particularly for trapping Ground Moles. This trap is of a type in which a spring actuated member provided with sharp-pointed prongs is reciprocatingly mounted on a stationary frame or supporting structure and is held in an elevated position by a latch or trigger mechanism that is adapted to be tripped by a mole traveling through a furrow in the ground at a point where the trap is located. **Price: Each, \$2.00.**

PRUNING SAW—Highest grade crucible steel, polished and etched blade with adjustable cherry-wood handle. 14-inch blade. **Price: \$1.25.**

PRUNING SHEARS—Very strong steel blades and good spring. **Price: Each, No. 30, \$1.25; No. 140, \$2.00.**

SHOVEL—A handy tool for the garden. **Price: \$1.75.**

STEEL GRASS SHEARS—For trimming edges on walks or borders. The best made. **Price: Each, 75c.**

THE PULL EASY is the best cultivator for the army of early risers, who faithfully tend a little patch of green things in the back yard. Every part is of the best material; the teeth are drop-forged steel, set in an indestructible plate. The handle is perfectly smooth, of straight-grained, tough white ash. **Price: Each, \$1.75.**

TRANSPLANTING TROWEL—Made of the same material as the above. **Price: 5-inch, 20c; 7-inch, 30c.**

"McKENNEY" TREE PRUNERS

The No. 0 is a one-hand pruner having compound leverage and two cutting blades. The blades are drop forged from tool steel and carry a long wearing edge, the handles being smooth and round and easy on the hand. The spring used is quick acting. Pruner is designed so that it may be used to advantage in very thick shrubbery. Cuts limbs 3/4 inch in diameter. Length, 15 inches. **Price: \$4.00.**

Number 1 cuts limbs 1 inch in diameter easy and perfect. It is the lightest Pruner on the market for the size that it cuts. It has two cutting blades, drop forged from tool steel. The handles are of steel and the hand grip designed so that it may be carried on the belt. Length, 23 inches. **Price: \$4.50.**

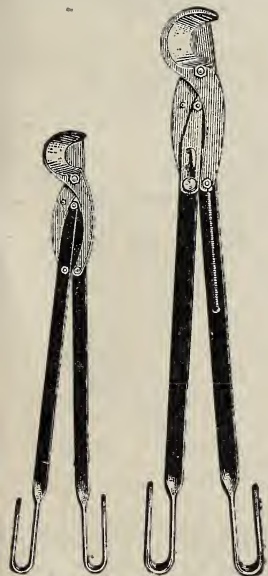
Number 2 cuts limbs 1 1/2 inches in diameter easy and perfect. It has two cutting blades, drop forged from tool steel, and with the patented leverage is the most powerful pruner built. **Price: \$6.50.**



Shovel



Hand Spading Fork



McKenney's Pruner



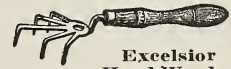
Garden Trowels



Garden Dibble



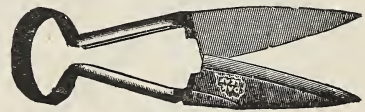
Transplanting Trowel



Excelsior Hand Weeder



Lang's Weeder



Steel Grass Shears



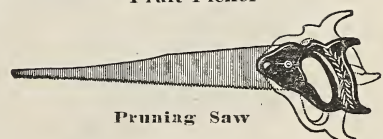
Hedge Shears



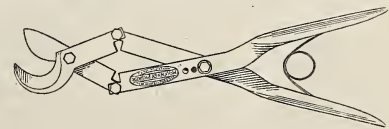
Pruning Shears



Fruit Picker

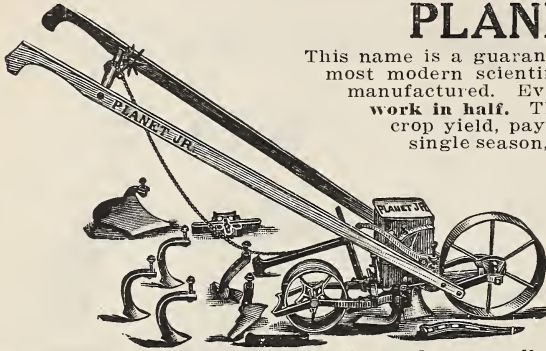


Pruning Saw



PLANET JR.

This name is a guaranty over all the world of the most modern scientific farm and garden tools manufactured. Every Planet Jr. cuts your work in half. These tools double your crop yield, pay for themselves in a single season, and last a lifetime

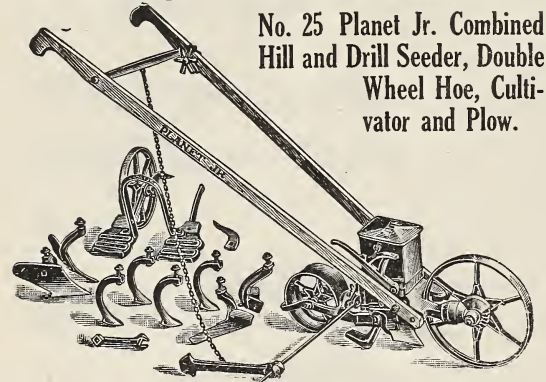


SOON pays for itself in the family garden as well as in the larger acreage. Sows all garden seeds (in drills or in hills), plows, opens furrows and covers them, hoes and cultivates quickly and easily.

No. 4 Planet Jr. Combined Hill and Drill Seeder Wheel Hoe

Price, Complete, \$18.00.

No. 4D, Hill and Drill Seeder, same as above less the cultivating attachments. Price: \$14.50.



No. 25 Planet Jr. Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator and Plow.

A FAVORITE among onion-growers, market-gardeners, onion growers, or large gardeners. It is a perfect seeder, and combined double and single wheel hoe. No. 25, Price: Complete, \$22.00.

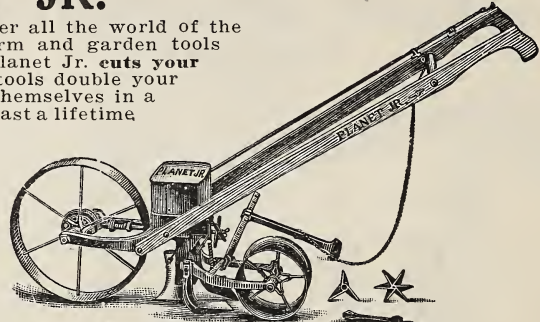
No. 13 Planet Jr. Double and Single Wheel Hoe

No. 13 has same frame, wheels and handles as Nos. 11 and 12, but has for equipment one pair of 6-inch hoes only, the most useful of the cultivating attachments, and all that some onion growers and others want. Price: \$8.25.



No. 17 Planet Jr. Single Wheel Hoe

THESE Single Wheel Hoes have steel frames and 15-inch steel wheels. Price: \$7.75.



No. 3 Planet Jr. Hill and Drill Seeder.

A FAVORITE among onion-growers, market gardeners. The hill dropping is simple and reliable, making hills either 4, 6, 8, 12 or 24 inches apart.

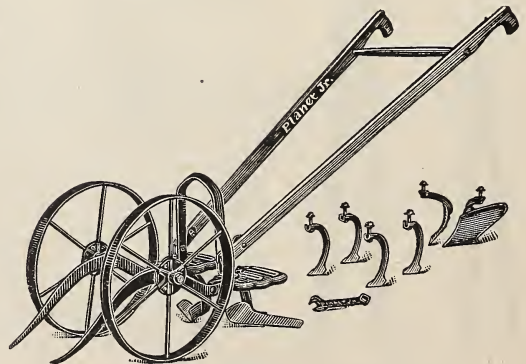
15-inch Steel Drive Wheel. Holds 3 Quarts of Seed. Weight, packed, 44 lbs. Price: \$17.50.

No. 11 Planet Jr. Double Wheel Hoe, Cultivator, Plow and Rake

A single and double wheel hoe in one. Straddles crops till 20 inches high, then works between. Has steel frames and 14-inch steel wheels. The greatest hand-cultivating tool in the world.



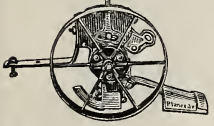
No. 11 Planet Jr. Cultivator—Price: \$14.75.



No. 12 Planet Jr. Double and Single Wheel Hoe is identical with No. 11, except that the 4½-in. hoes and the rakes are omitted from the equipment. Price: \$11.50.

GARDEN IMPLEMENTS

No. 35 PLANET JR. SEEDER ATTACHMENT For Wheel Hoes and Garden Plows

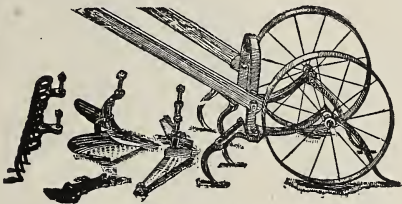


Ever since the wheel hoe replaced the hand hoe in the kitchen garden there has been an insistent demand for a small seeder. The seeding attachment shown here can be attached to any Planet Jr. Single or Double Wheel Hoe or Garden Plow.

Remember this attachment does not replace our regular line of seeders—it is intended for the small kitchen garden where the rows are usually short—not large enough to warrant the purchase of a complete seeder. It is just as accurate as the larger models and change from one seed to another is made in a few minutes.

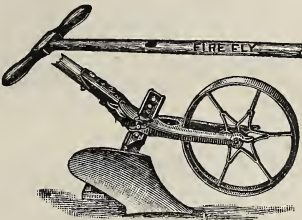
Everyone raising his own table vegetables should have this attachment. **Price: \$6.00.**

STANDARD No. 4, SINGLE AND DOUBLE WHEEL HOE Both in One



OF ALL labor-saving tools, this cannot be surpassed. Can be changed from one to the other in a few seconds, thereby saves buying two separate machines when you don't have work for both at same time. Frame all malleable iron attachments, with steel shovels. **Price: \$7.50.**

FIREFLY GARDEN PLOW



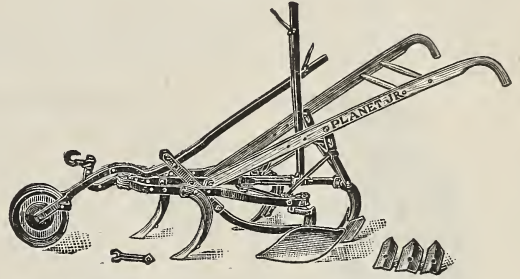
EXCEEDINGLY useful to owners of small gardens, throwing a furrow four to six inches wide and one to three inches deep. This tool will enable a busy man to do all his garden work in a few minutes. Fine for scratching up the chicken yard. **Price: \$4.50.**



EXTRAS FOR PLANET JR. TOOLS

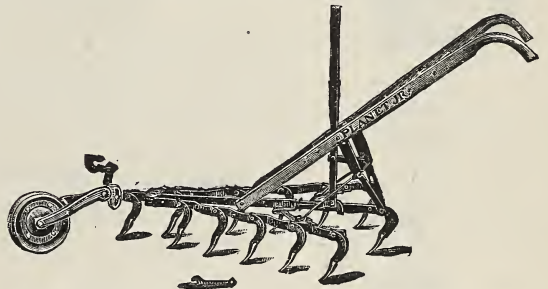
Plow for Single Wheel Hoe. Price, each.....\$1.35
C & D Hoes. Price: 7-inch Blade, pair..... 1.35
Rakes. Price: Each, 3 tooth, 55c; 5 tooth..... .75
Disc Hoes. Price, pair..... 3.00
Three-Prong Cultivator Teeth. Price, each.... 1.00
Cultivator Teeth. Price, each..... .35

No. 8 PLANET JR.



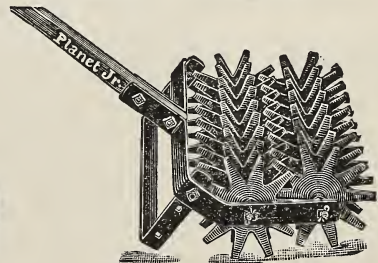
THIS style is a general favorite, being complete and easily operated. Made for long continuous service. This cultivator closes to 10 inches and opens to 25 inches. The lever expander and depth regulator make this an easy tool to use. The teeth are made of bevel steel and hardened. **Price, complete, \$17.50.**

No. 91 PLANET JR. TWELVE TOOTH HARROW



THIS twelve tooth Harrow gives excellent satisfaction. For farmers and gardeners it is unequalled for deep or close cultivation or when desired to work a crop thoroughly without hilling. For the strawberry grower it is invaluable. **Price: \$13.50.**

STAR PULVERIZER, LEVELER AND WEEDER



Star Pulverizer.

ESPECIALLY adapted for preparing the seed bed. After the ground has been plowed, you can easily put it in the best shape with this pulverizer which does much the better work than a rake. It is a great tool for the small garden. **Price: \$6.50.**

SPRAYERS THAT SPRAY

SPRAY YOUR ORCHARD AND SAVE YOUR FRUIT

THE many advantages due to proper spraying are so numerous that they cannot be told here. Everybody knows that in the garden, the orchard and the poultry house, spraying returns a profit that far exceeds any on so small an investment and short time necessary to spray. Bigger crops and better fruit are one of the few results and by producing such crops you can expect to make your orchard pay.

We can supply you with any kind of a sprayer from the small tin atomizer to the large power spray. Let us know your needs in the sprayer line and we are sure that we can supply you with what you need.

COMPRESSED AIR SPRAYERS



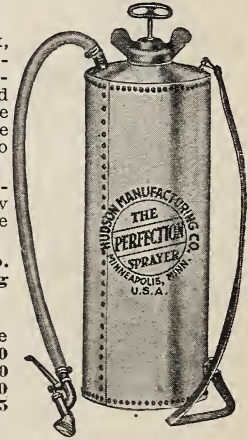
BROWN'S AUTO SPRAY consists of a solution tank, holding about 4 gallons. The tank is made of galvanized steel or heavy brass. A brass air pump is located inside the solution tank, protected from injury and is provided with our cam-locking device which closes the filler opening air tight with a half-turn of the wrist. The entire machine is made without screws or bolts and no tools of any kind are required to take it apart.

To Operate—Remove pump with a half-turn, fill tank two-thirds full of solution, replace pump and with a few strokes compress air on solution. Then direct the spray.

Two Pumpings will discharge the contents. **Price:** No. 1-D, Galvanized, \$6.50; No. 1-B, Brass, \$9.50. **Shipping weight, 11 lbs.**

EXTRAS FOR AUTO SPRAYERS.

Auto-Pop Nozzles	Price
Auto-Pop Nozzles, with hose	\$1.50
Extension Pipe, brass, 2-foot length	2.00
Brass Elbow Extension .....	.70
	.35



PERFECTION SPRAYERS

A COMPRESSED AIR SPRAYER that is riveted. An extra strong sprayer. The automatic shut-off nozzle is built for high pressure work. Four gallon capacity. **Price:** Galvanized, \$6.50; Brass, \$9.50.

JUNIOR PERFECTION—A small compressed air sprayer of the "Perfection" type. The capacity is 2½ gallon and owing to the fact that it is not so heavy, it is a great favorite among the ladies. **Price:** \$4.75; postpaid, \$5.00.

PRIZE BUCKET PUMP

DOUBLE acting, works on both up and down stroke and throws a continuous stream. Can be used with any ordinary pail or bucket. Pump has seamless brass body cylinder, heavy brass plunger, brass ball valves, is equipped with a Bordeaux nozzle, 3½ feet of rubber spray hose and strainer on bottom to prevent clogging. **Price:** \$4.00; by mail, \$4.25.



Perfect Success.

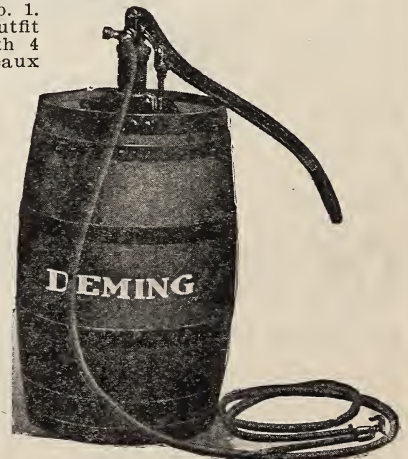
DEMING'S PERFECT SUCCESS

HAS BRASS ball air chamber to cushion the stream, giving it uniform pressure. Working parts same as Brass bucket spray No. 1. Can be fastened to bucket and entire outfit carried from place to place. Comes with 4 feet ¾-inch discharge hose and Bordeaux nozzle. **Price:** \$7.00; by mail, \$7.25.

Prize Bucket Pump.

DEMING'S CENTURY BARREL PUMP

THE "Century" is proof against corrosion, as all working parts are brass; is so substantially constructed as to be practically exempt from breakage; is easy to operate and a fine buy for the orchardist. Universal Iron Base—adjustable to any size or depth of barrel—fits the flat head or curved side of barrel. This, with foot lug, keeps pump absolutely rigid during operation. Base fits 7x10-inch hole. Four hook-bolts with large thumb nuts attach base to barrel head. The cylinder has a 4-inch stroke and is always submerged and primed. Plunger has special fabric packing, chemically treated. Solid bronze valves and bronze valve seats. By removing four bolts, both suction and discharge valves may be taken out for examination and repairs. Twin paddle type agitator. Brass discharge "Y" for two leads of hose. **Price:** \$18.50.



Get our prices on insecticides and fungicides. We can give you quality and save you money.

ST. LOUIS SEED COMPANY—“Pure and Sure” Seeds

EXCELLO SPRAYER

The apparatus is constructed according to the principle of double-action piston pumps. The pump proper is outside of the container, or tank, and is fastened on the left side. It can be mounted and disconnected instantly and be taken apart completely.

The material is the best available—nothing but brass and copper, hence not affected by action of chemicals.

Holds six gallons.

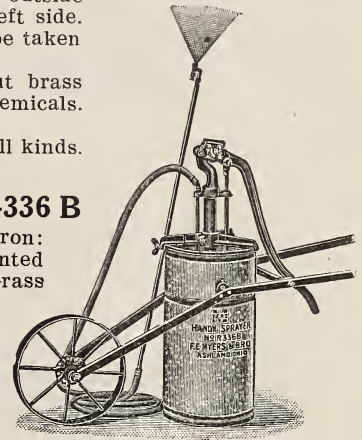
For spraying Orchards, Vineyards and Plants of all kinds.
Price: \$40.00.

MYERS' PORTABLE SPRAYER—R-336 B

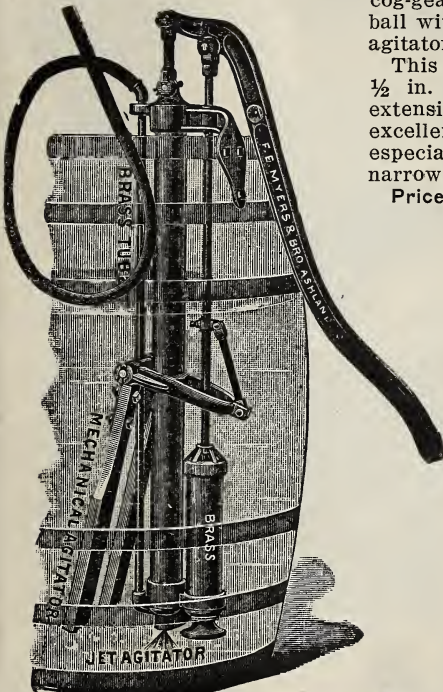
Made of extra heavy galvanized iron: Capacity, 12½ gallons. Pump has patented cog-gear handle. The valves are brass ball with a brass seat. The dasher agitator keeps the material stirred.

This sprayer comes with 15 ft. ½ in. 5-ply discharge hose, 8 ft. extension and Vermorel Nozzle. An excellent all around pump and is especially handy where turning in narrow places is necessary.

Price: \$25.00.



EXCELLO



MYERS' BARREL SPRAYER—No. 305 B

The entire pump sets inside the barrel containing the liquid, being bolted fast at its upper-end to the barrel staves. The working parts are entirely submerged in the liquid, avoiding all possibilities of losing priming.

This pump has bronze ball valves and brass seats; the plunger is brass, fitted with hemp packing. Will handle hot, cold or any caustic mixture. The cylinder and discharge pipes are all brass. The air chamber is 30 inches in length, enabling the pump to throw a uniform and elastic spray.

It has good leverage, is very powerful and easily operated. Complete, with one lead of 15 ft. 5-ply discharge hose, graduating Vermorel Nozzle and mechanical agitator. Price: \$14.00.

DUST SPRAYERS

D. & B. DRY POWDER BLOWER—Used for slugshot, gardite, powdered arsenate of lead, Paris green, sulphur, etc. Holds over a quart of powder. Made of heavy tin. The spray is blown out by a fan operated with gear wheels, which are machine cut and therefore run smooth and easy. An agitator provides a constant flow of powder, with a gauge regulating the amount of powder to be used. Will cover two rows at the will of operator. Can also be used for tree spraying by connecting tubes. Price: \$7.50.

LOWELL POWDER DUSTER

LOWELL POWDER DUSTER—A hand duster that works on the principle of an atomizer. The reservoir is a Mason jar, so that you can see at all times how much powder you have. The amount of dust blown is governed by the rapidity of the strokes of the plunger. Cannot be mailed. Price: 90c.

Lowell Powder Duster.



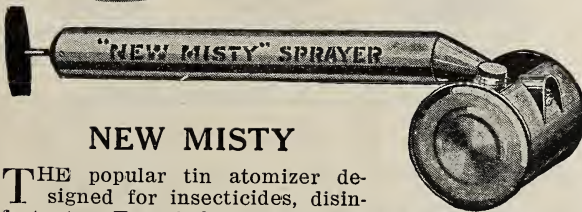
NEW MISTY

THE popular tin atomizer designed for insecticides, disinfectants. Especially useful for the small garden and the flower garden, or for house plants.

Price: 1 qt. size, 50c.

FEENY DUST GUN

FEENY DUST GUN—A hand duster made entirely of tin. Excellent for blowing any kind of a powder. Many of our customers use this gun to fight insects in the house, such as ants, roaches, etc. Price: \$1.00; by mail, \$1.10.



ST. LOUIS SEED COMPANY—"Pure and Sure" Seeds

EXTRA PARTS FOR SPRAYERS

Bordeaux Nozzle.....	\$0.90	Sprinkling Nozzle.....	\$0.30
Vermorel Nozzle.....	.75	Male End.....	.25
Imperial Nozzle.....	.40	Female End.....	.25
Y.....	.50	Bend.....	.25

BAMBOO EXTENSION RODS—8 feet long. Price: Each, \$4.50; with stop-cock, \$5.50.

EXTENSION PIPES—Iron, 4 feet. Price: 40c each.

CEDAR TREE TUBS

MADE of the very choicest seasoned cedar, highly finished with black hoops; will last twice as long as cypress tubs.

Diam., Height,			Diam., Height,				
No.	In.	Price	No.	In.	Price		
1.	12	10½	3½.	16½	15¾	\$2.50	\$4.90
2.	13	13	4.	19½	17	3.25	5.50
3.	14½	15				4.00	

RICHMOND STYLE TREE TUBS

THESE Tree Tubs are made of the same selected Virginia White Cedar, bound with flat steel hoops.

Top			Top				
No.	Diam.	Depth	Price	No.	Diam.	Depth	Price
4B..	9 inch	9 inch	\$1.00	6B..	11 inch	10 inch	\$1.50
5B..	10 inch	9 inch	1.10	7B..	12 inch	11 inch	1.75

PLANT STAKES AND POT LABELS

Natural Cane Stakes.

6 ft., doz..	\$0.20	100..	\$1.50	10 ft., doz..	\$0.50	100..	\$4.00
8 ft., doz..	.35	100..	2.50				

PLANT STAKES—Bamboo.

Painted Green.

1 ft., doz..	\$0.10	100..	\$0.75	3 ft., doz..	\$0.18	100..	\$1.25
1½ ft., doz..	.10	100..	.85	4 ft., doz..	.20	100..	1.50
2 ft., doz..	.15	100..	1.00	5 ft., doz..	.25	100..	2.00

Dahlia Poles, Painted Green.

5 ft., doz..	\$1.40	100..	\$11.00	6 ft., doz..	\$1.50	100..	\$12.00
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POT LABELS

	Per 25	Per 100	Per 1000		Per 25	Per 100	Per 1000
4 inch...	\$0.05	\$0.20	\$1.50	8 inch...	\$0.15	\$0.50	\$3.50
5 inch...	.05	.25	2.00	12 inch..	.35	1.50	
6 inch...	.08	.30	2.50				

WIRED TREE LABELS.

3½x½-in., per 1000..	\$3.25	5x1½-in., pkg. of 200,	\$1.50
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RUBBER PLANT SPRINKLERS

SCOLLY PLANT SPRINKLER—Made of the best rubber. Used for spraying house plants, sprinkling clothes, etc. Price: \$1.50.

PUTTY BULB—The best appliance for distributing putty. Used by a large number of leading florists. Price: Each, \$1.50.

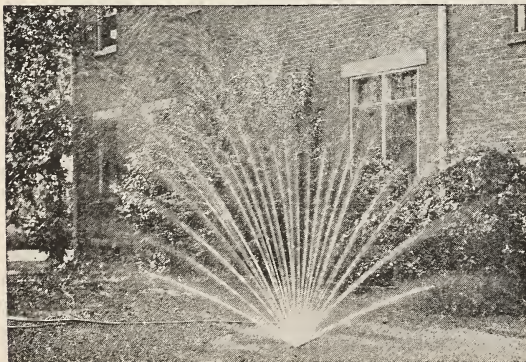
LAWN SPRINKLERS

ELGIN SPRINKLER—Each year meets with a greater sale of these. Has iron stand which will slide over the grass. Nothing to get out of order. Price: 75c.

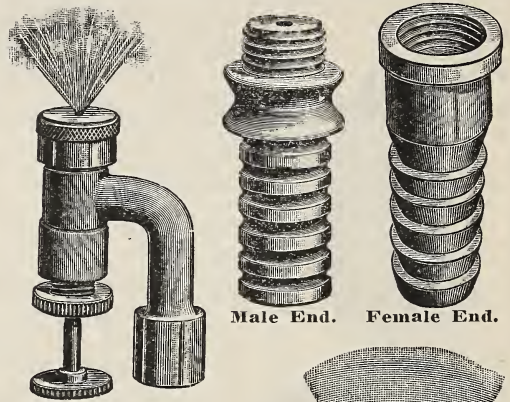
SAUCER SPRINKLER—An all brass sprinkler with iron base. Price: 75c.

LAWN AND GARDEN HOSE

We make a specialty of the very best lawn and garden hose. We do not handle a wrapped hose, only the best moulded hose is worth buying. The moulded hose will last for years after cheap wrapped hose is worn out. Price: ½-inch, 11c foot; ¾-inch, 15c foot; 1-inch, 17c foot.

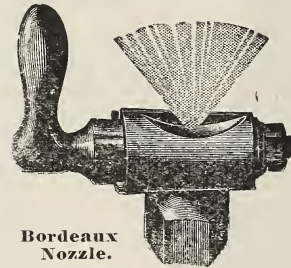


Saucer Sprinkler

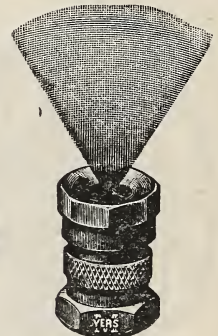


Male End. Female End.

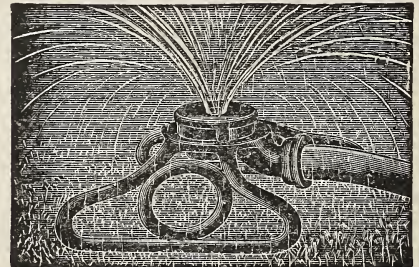
Vermorel Nozzle.



Bordeaux Nozzle.



Sprinkling Nozzle.



Elgin Sprinkler.



Plant Sprinklers Cedar Tree Tubs. Imperial Nozzle.

HOSE MENDERS

PERFECT CLINCHING HOSE MENDER—The best mender on the market. Easy to put on and no danger of leaking. Price: ½-inch, ¾-inch and 1-inch, 10c each; \$1.00 per dozen.

PERFECT CLINCHING HOSE COUPLING—A self-fastening coupling that does not require extra bands, bolts or wires. Price: ½-inch, ¾-inch and 1-inch, 25c each.

RUBBER HOSE WASHERS—Price: ¾-inch, dozen, 5c; 1-inch, dozen, 10c.

INSECTICIDES AND FUNGICIDES

Goods marked * can be mailed at buyer's expense.

Goods not marked cannot be mailed.

APHIS PUNK* (40 Per Cent Strength, for Fumigating)—Specially prepared for Greenhouses and Conservatories. It vaporizes the nicotine economically and evenly. Nothing keeps a house free from Aphid, Thrip and other parasites so thoroughly and cheaply. Price: Box of 12 rolls, 90c; 1 case 12 boxes, \$8.50.

***ARSENATE OF LEAD POWDER**—The best known and most extensively used stomach poison for insects. It is safe to use on most plants, possesses good adhesive qualities, shows white when sprayed and owing to its fineness remains in suspension well in water. It can be combined with Nicotine, Kerosene Emulsion, Bordeaux Mixture, Lime-Sulphur and Soap, without impairing the efficiency of either. The powder is rapidly displacing the paste, because the powder can be handled more easily, will not freeze, and owing to the saving in freight due to the absence of water. For general use, 1 pound to 50 gallons of water, or 3 teaspoonfuls to 1 gallon of water. Price: ½ lb., 30c; 1 lb., 50c; 5 lbs., \$2.00.

†ARSENATE OF CALCIUM (Powder)—A preparation somewhat similar to Arsenate of Lead, lime being substituted for lead and contains a higher percentage of arsenic oxide. It is used for control of chewing insects upon plants whose foliage is not tender. This poison should not be used on peach, cherry, plum or other stone fruits, but may be used on apple, pear, grape and many vegetables. It is excellent for killing potato bugs. It may be combined with Lime-Sulphur or Bordeaux Mixture without depreciating the value of the fungicide or the insecticide. Price: ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

†BORDEAUX MIXTURE POWDER (Fungi-Bordo)—For blight, mildew, rust and fungus diseases. For ordinary use it takes 6 pounds to 50 gallons of water; for peach trees and trees with tender foliage use 6 pounds to 65 to 70 gallons of water. Price: 1 lb., 35c; 5 lbs., \$1.50.

†BORDO LEAD POWDER—Combined insecticide and fungicide. In one operation it kills chewing insects and prevents blight rot, mildew and fungus. Can be used for dry dusting or wet spraying. Best complete spray for gardens. One pound makes 7 gallons. Price: ½ lb., 30c; 1 lb., 50c; 5 lbs., \$2.00.

***FISH OIL SOAP**—Used as a wash during the summer to prevent spread of scale. Destroys sucking insects and plant lice. Also used as a spreader for nicotine sprays. Price: ¼ lb., 10c; ½ lb., 20c; 1 lb., 35c.

***FLOWERS OF SULPHUR**—Used to check mildew and fungus diseases. Price: 1 lb., 15c; 10 lbs., \$1.25; 25 lbs., \$2.50.

***GARDITE**—A powder that is applied when dew is on the leaves. Used for cabbage worms, cutworms, and all garden truck. Price: 1 lb., 25c; 5 lbs., 90c.

***GRAPE DUST (Hammond's)**—Used as a dust to check mildew, dry rot and other fungi. Price: 1 lb., 30c; 5 lbs., 75c.

***GRAFTING WAX**—Used for grafting. Also good to rub over any wounds that are made on the bark or in pruning. Price: ¼ lb., 15c; ½ lb., 25c; 1 lb., 40c.

***HELLEBORE**—Used for worms on currants and gooseberries. Use 1 ounce to 1 gallon of water. Price: ¼ lb., 25c; ½ lb., 40c; 1 lb., 75c.

***LIME SULPHUR POWDER**—Used as a dormant spray against scale insects. Has certain fungicidal properties. Use 10 to 12 pounds to 50 gallons of water. As summer spray, use 2 pounds to 50 gallons of water. Price: 1 lb., 30c; 5 lbs., \$1.25; 10 lbs., \$2.00.

LIME SULPHUR (Liquid)—Has same effect as the powder. Protect the hands with gloves when applying. Dilute with 10 parts of water. For summer spray dilute with 40 parts of water. Price: Qt., 50c; ½ gal., 75c; gal., \$1.00; 5 gal., \$4.00.

NIKOTEEN (30%)—An economical and powerful nicotine extract. Death to Aphid or Green Fly, Spider, Mealy Bug, Thrip and many other forms of flower, fruit and vegetable lice. Price: Small bottles, 30c and 50c; ½ lb., \$1.25; 1 lb., \$2.25; (40% strength) 4 lbs., \$7.50; 8 lbs., \$14.00.

PARIS GREEN—Apply dry or in a solution of water. Paris Green is a strong and best known poison for potato bugs. Its effectiveness is recognized by all potato growers. Do not use on some fruits. On apple and other fruits use with Bordeaux Mixture. Never mix Paris Green with Lime-Sulphur solution. Price: ¼ lb., 15c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 85c; 5 lbs., \$2.00.

SCALECIDE—A dormant spray for scale. Mix 1 part Scalecide to 15 parts water. Price: 1 qt., 60c; 1 gal., \$1.45; 5 gals., \$5.25; 10 gals., \$9.75; 50 gals., \$37.50.

***SLUGSHOT**—A light, composite, fine powder applied with dusters or bellows or in water by spraying. Thoroughly reliable in killing currant worms, potato bugs, cabbage worms, chicken lice, slugs, sow bugs, etc., and is strongly impregnated with fungicides. Price: Cartons, 20c; 5 lbs., 50c.

TOBACCO DUST—For aphid. Price: 100 lbs., \$4.00.

***TREE PAINT (Pine Tar)**—For painting on wounds after pruning. Price: 1 pt., 30c; 1 qt., 50c; 1 gal., \$1.75.

***TREE TANGLEFOOT (Caterpillar Paste)**—A sticky substance spread around the bark of trees to prevent creeping insects from climbing up the tree. Price: 1 lb. can, 50c; 5 lbs., \$2.35; 10 lbs., \$4.50; 20 lbs., \$8.75.

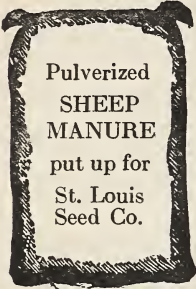
WEED KILLER (Key Weed)—Kills weeds in gutters, roads, paths, tennis courts, etc. Will not discolor cement. Easier and less expensive than hoeing and digging. Use 1 part Weed Killer to 50 parts of water. Price: 1 qt., 70c; 1 gal., \$1.75; 5 gals., \$7.00; 10 gals., \$13.00; 30 gals., \$33.00.

Most plants will be benefited by an occasional top-dressing during the growing season with either Pulverized Sheep or Poultry Manure. See Page 3 and 8.

INSECTICIDE PRICES SUBJECT TO CHANGE

FERTILIZERS

For **LAWN, GARDEN, FIELD and HOUSE PLANTS**
A NECESSITY TO ALL GROWING PLANTS



Pulverized
**SHEEP
 MANURE**
 put up for
 St. Louis
 Seed Co.



**BONE
 MEAL**
 put up for
 St. Louis
 Seed Co.

ALL CULTIVATED soils require fertilizing from time to time to replace the vital growing forces and power which each succeeding crop removes in its development and maturity. Unless this is done it is only a matter of time when even rich and fertile soils will fail to be productive.

Farms, Gardens, Lawns and Flower Beds always should be given a dressing of fertilizer each season before planting. Mother Earth needs food to produce good crops, the same as a human being requires food to be strong and healthy.

PULVERIZED SHEEP MANURE—As a top dressing for lawns there is nothing better. Promotes a steady and rapid growth in the vegetable garden. For garden and field crops, 1 to 2 tons per acre—Fall or early Spring.

This manure is gathered from the pens, shipped to the reduction plant, and then is immediately dried by a special direct heat process, which destroys any weed or seed it may contain. It is then screened free from rough bedding and uniformly pulverized into the most concentrated form for general use. In landscape work, for gardens and lawns, there is no equal.

For New Lawns, use 100 lbs. to 1000 square feet.

For Old Lawns, as a top dressing, use 50 lbs. to 1000 square feet.

For Flower Beds and Vegetable Gardens, before planting, use 50 lbs. to 500 square feet.

For Mixing Potting Soil, use 1 qt. to 20 qts. of earth. **Price: 5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.00; 50 lbs., \$1.60; 100 lbs., \$2.75.**

BONE MEAL—For top dressing for lawns, pastures and meadows; also for use in the vineyard and about fruit trees and bushes. It carries ammonia and phosphoric acid. Use 400 to 600 lbs. per acre. **Price: 10 lbs., 65c; 25 lbs., \$1.50; 50 lbs., \$2.50; 125 lbs., \$5.00.**

PULVERIZED POULTRY MANURE—One of the best pulverized fertilizers for lawns, flowers and vegetables. For vegetables, gardens, etc., 50 pounds to 500 square feet. **Price: 25-lb. bags, \$1.25; 50-lb. bags, \$2.00; 100-lb. bags, \$3.50.**

NITRATE OF SODA—Carries nothing but nitrogen (ammonia)—no phosphoric acid or potash. It is highly stimulating. On grass or other vegetation it is visible in a few days after application. **Price: Lb., 15c; 10 lbs., \$1.25; 50 lbs., \$4.00.**

PULVERIZED LIMESTONE—As a crop-producer, we hardly believe it has an equal. It is made from the purest crystalline white limestone obtainable. **Bag of 100 lbs., \$1.50; ½ ton, \$12.00.**

HYDRATED LIME—Hydrated lime used for top dressing on lawns and mixing soil for potting plants. 50 lbs. to cover 1000 square feet. **Price: 10 lbs., 35c; 50-lb. bags, 90c.**

ST. L. S. CO.'S EXCELSIOR PLANT FOOD—It will make weak plants strong and make healthy plants have brighter flowers and prolong the period of blooming. **Price: Small size, 20c; large size, 35c.**

MULFORD CULTURES FOR LEGUMES

DECISIVE tests have shown the great value of inoculating seed with various bacteria to increase the plant growth as well as the nitrogen-gathering qualities of the plant. No farmer today would think of putting out a field of clover without using some kind of an inoculation.

Small Size (supplied only in four varieties, for Garden Peas, Garden Beans, Lima Beans and Sweet Peas).....**\$0.35**
 5 -Acre Size (“Dollar per Acre”).....**5.00**
 1 -Acre Size**1.50**
 ¼ -Acre Size**.75**



Nitragin now comes in **Bushel sizes instead of acre sizes**. This means that it costs you **less per acre** than inferior imitations. If you sow 12 pounds of seed to the acre it will only cost you 20 cents for your Nitragin. It means that

Your Dollar Goes Further With NITRAGIN

Nitragin is an old, reliable inoculator. At the low price of 20 to 33-cents per acre you cannot afford to sow legumes without it. Nitragin is put up in the modern ventilated package; in a rich, soil-like packing medium. The contents are always fresh, living bacteria to feed your plants. Easy to use.

EVERY GARDEN NEEDS NITRAGIN

New Garden Culture for Peas and Beans

See Below

PRICES

¼ Bushel size.....	\$0.40	Postage.....	4c
½ Bushel size.....	.60	Postage.....	5c
1 Bushel size.....	1.00	Postage.....	7c
5 Bushel size.....	4.75	Postage.....	10c
Garden (peas, beans, sweet peas —three in one package).....	.20	Postage.....	2c

State What Crop You Want the Nitragin For



SOYBEAN Root
 With the nodules produced
 by NITRAGIN
 Making the plant a
 wonderful soil builder
 and force crop



PLANT
 “Pure and Sure” Seeds



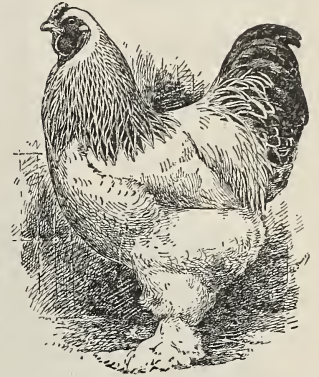
LARGEST POULTRY SUPPLY HOUSE IN THE WEST

“EVERYTHING FOR THE POULTRY YARD”



The items listed on the following pages represent eighteen years of experiments and tests to determine the accessories that would be of the greatest service to the poultryman and enable him to secure the largest profits with a greater saving of time, labor and expense to all interested in poultry.

To the service we have rendered in the past and to the success attained by our customers can we attribute the marvelous growth of our poultry supply business and today we number among them the largest poultry farms of the country for they know that we are able to take care of their requirements.

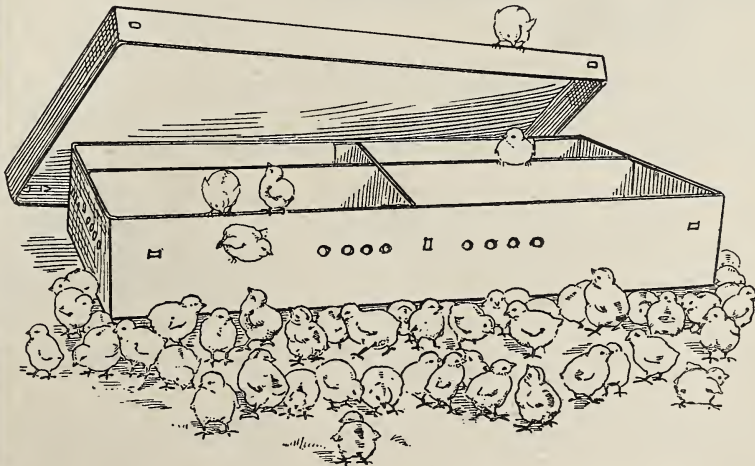


But there are thousands who only raise a few chickens that depend upon us entirely for their supply of poultry equipment, feeds and remedies. Large as we are, your problems will always have our best consideration. Experts are at your service at all times to assist you in your poultry problems, and we want you to feel at liberty to call upon them to assist you to make your poultry pay.

“Everything for the Poultry Yard” can be had from us and your orders will have our best attention.

BABY CHICKS

CONKEY'S
BUTTERMILK
STARTING
FOOD
IS THE
IDEAL
BABY CHICK
FOOD
IT WILL
RAISE
THE CHICKS
FOR YOU



DON'T
FORGET
TO
ORDER
STARTING
FOOD
AND FINE
GRIT
WHEN
YOU ORDER
YOUR
CHICKS

From February 1st to July 1st we are able to supply the following breeds of baby chicks:

White Leghorns
Anconas
S. C. R. I. Reds
Buff Rocks
Buff Orpingtons

Brown Leghorns
Black Minorcas
Barred Rocks
White Wyandottes
White Orpingtons

Buff Leghorns
R. C. R. I. Reds
White Rocks
Silverlaced Wyandottes
Light Brahmas

WRITE FOR SPECIAL PRICE LIST ON BABY CHICKS

INTERNATIONAL SANITARY HOVER

**The One
Perfect
Brooding
Device**



No one realizes better than we do that the entire success or failure of poultrymen depends upon their brooding system. They must be able to raise as large a number of the chicks hatched or bought as possible and therein lies the whole secret of the poultry industry and its successes.

We have seen poultrymen start out with practically nothing and grow into mammoth industries; we have seen others start with everything and fail. And to one thing can be traced this success or failure—the brooder that had to raise the chicks to large, healthy birds if the business was to succeed.

Large, unwieldy broods are never given the care they should be given. Sanitation demands smaller individual broods if you wish to succeed. The unit of 100 chicks has been proven to be the most satisfactory. This point should be given some thought and consideration.

We use and have used the Sanitary Hover exclusively in our baby chick department for over seven years. And in the recent shortage, we could have sold our old hovers for as high as \$25.00 apiece. We have sold thousands of Sanitary Hovers and have never heard anything but the highest praise for them. And for the first time in five years we have enough hovers to take care of the great demand.

The Sanitary Hover is endorsed by leading poultrymen such as Mr. Delano, owner of the Owen Farms, where over 10,000 chicks are raised a year. Chas. Key Cullom, Secretary of the St. Louis Poultry Association, and Editor of the National Poultry and Pet Stock Journal; Geo. C. Ziebold, owner of Whistlecote Farms and breeder of famous White Rocks; Dr. L. D. LeGear, president of L. D. LeGear Medicine Co., and breeder of White Rocks, and many others.

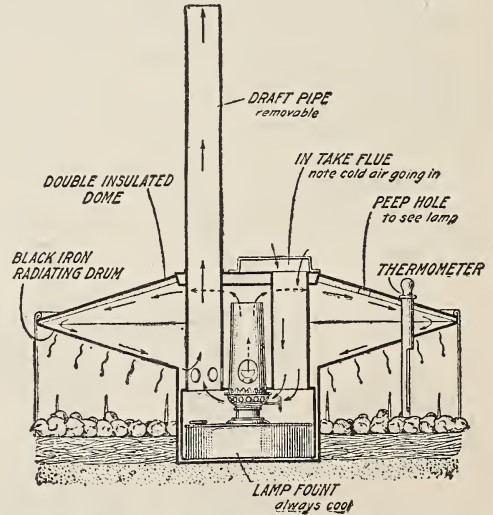
THE SCIENCE OF BROODING CHICKS

A brooder is an artificial hen. Its purpose is to perform the duties of a mother hen toward the chicks so far as the hovering is concerned. Baby chicks spend the day running in and out under the hover to get warmth when chilly and to scratch for food. This gives them plenty of fresh air so that almost any hover will do for the day time.

But at night it is different. They hover instinctively under the brooder—just as they would under the mother hen—and trust to the brooder to bring them safely through the night. If the hover is a good one they will come out healthy and happy in the morning, and the result will be healthy, robust broods. And how they come out in the morning depends upon the brooder.

The greatest loss in the poultry business is in the raising of baby chicks and that is why you should give a great deal of attention to your brooding problems. You ought to know why the Sanitary Hover has a canvas curtain. Why it is perfectly ventilated at night and every chick is sure of plenty of fresh air during the night, why the curtain prevents all drafts from striking the chicks, and why you can depend on seeing every chick ready to face the new day.

A complete catalog of the International Sanitary Hover will be mailed you free. Write for a copy and learn the system of perfect ventilation found only in "The One Perfect Brooding Device."



Sectional View of the Sanitary Hover

The cool air flows in through the intake flue, discharging at the bottom near the lamp, which keeps the oil fount always cool and safe. This circulation is caused by the current of warm air flowing constantly up through the tall draft pipe, which current of air carries off the fumes from the lamp after the heat has served its purpose. By this arrangement the heat is made to radiate in all directions from the top and sides of the lamp chimney. The black-iron radiating drum is thin and easily radiates heat; and inasmuch as the drum is higher at the edge than near the center, it gets warm first at the edge and is always warmer there than near the lamp. This feature, i. e., a higher temperature at the outer edge, is what especially pleases the practical poultry raiser, as it prevents crowding.

**REMEMBER WE PAY THE FREIGHT
ON INCUBATORS AND BROODERS**

WHAT MAKES IT PERFECT

Advantages Possessed by the Sanitary Hover Over All Other Brooding Devices

ADAPTABILITY—The Sanitary Hover can be used anywhere that there is protection for the chicks from wind and rain. It has made the expensive brooder house a thing of the past.

WARMEST AT THE CURTAIN—The Sanitary Hover is not a center heat hover. It is warmest at the outer edge, which causes the chicks to distribute themselves near the curtain and prevents crowding and smothering of the chicks.

VENTILATION—The Sanitary Hover is the only perfectly ventilated brooding device. It supplies plenty of fresh air for all the chicks, with no drafts. The diffusive principle of the Sanitary Hover is identical with the diffusive actions of the feathers of the mother hen.

NO CARPENTER WORK—The Sanitary Hover can be carried around with ease and is ready for use wherever it may be set. No carpenter work is required to set it up. No cutting of holes nor building of platforms or boxes. To set it up, just set it down.

NO KNEELING—There need be no kneeling in the dirt to handle or operate the Sanitary Hover. The lamp holder can be lifted out by a person standing up, and without disturbing the chicks.

EVEN TEMPERATURE—Owing to the scientific principles followed in the construction of the Sanitary Hover, and to its perfect ventilation system, there is no difficulty about maintaining an even temperature and steady heat.

RADIANT HEAT—The heat radiates downward upon the backs of the chicks. It does not heat the floor to cause leg weakness.

NO CORNERS—Entirely circular, there is no crowding of chicks in corners, which means death to the weaker ones. Corners in brooders have killed millions of chicks.

FIREPROOF—The Sanitary Hover is metal throughout and is therefore fireproof. The lamp is enclosed by metal all around.

MORE SPACE—The Sanitary Hover provides nearly 200 square inches more hovering space than other hovers patterned after it.

VERMIN PROOF—Unlike the wooden hover, it does not absorb dirt and hold it. The curtain is removable and can be washed.

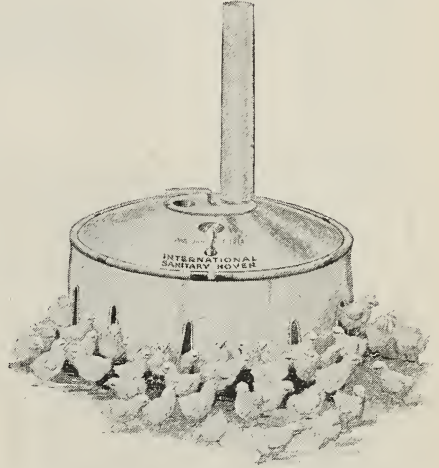
THE CURTAIN—The Sanitary Hover is the only hover with a canvas curtain. Felt and other material are picked off by the chicks, and have caused big losses.

NO SOLDER—No solder whatever is used in the Sanitary Hover. It is riveted and double seamed throughout. Only the best material is used in constructing the "Perfect Brooding Device."

DURABLE—The Sanitary Hover cannot be burned nor broken and will not warp and fall apart. There is no wear to them and with ordinary care will last for years.

PORTABLE—You can pick up the Sanitary Hover and carry it easily from place to place. Weighs about 18 pounds and can be set on the lawn on nice days. It is at home wherever you set it.

IT RAISES THE CHICKS—What good are all the other features unless the hover does this, and this is why there are so many in use today. It has the highest percentage for broods raised to maturity. It is more than a mother to your chicks.



- No. 1. 100 chicks, 28-inch diameter. Price, complete\$13.50
- No. 2. 350 chicks, 42-inch diameter. Price, complete 18.00

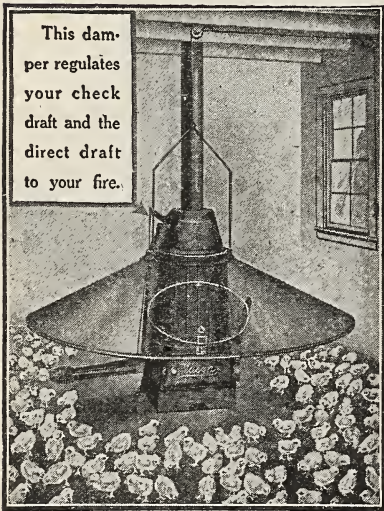
WE PAY THE FREIGHT ON INCUBATORS AND BROODERS.

EIGHTEEN KARAT FISH FOOD IS THE BEST FOOD FOR GOLD FISH

WE PAY THE FREIGHT ON INCUBATORS AND BROODERS

**If You Buy an Incubator and a Brooder at the Same Time
We Will Allow You a Discount of 5%**

**The Queen Is the Only Brooder Stove With Automatic
Control of Both Check and Direct Draft**



The Queen Colony Brooder is a new and improved design of brooder stove. It is made of highest quality iron castings that will wear and last indefinitely.

There are no drafts on the smoke pipe of the Queen. The check rests on the top side wall of the stove and opens inward when fire is too warm, thus giving a gentle inflow of air to retard the heat. While the opening of the draft to increase the fire is located near the top of the stove, it opens into the fire at the base through an opening extending down the side to the bottom. This feeds the draft into the fire from underneath with no opening below the hover. As will be seen from the illustration, the check and the draft lids are cast together and operate together. Thus, when the fire is too hot, the wafter expands and closes the draft and opens the check, both at the same time. When it is too cool, the wafter contracts and closes the check and opens the draft. This keeps an even heat all the time, both night and day, in cold weather or warm, and does it automatically. You don't have to pay any attention to it whatsoever. Just set the regulator for the proper temperature at the start of the season—it will do the rest.

Next to a good draft through the chimney, the principal secret of a good fire in any stove is a good grate that will free the fire from ashes properly and prevent clinkers. The grate in the Queen stove is the rocker type and strikes the fire at four points. This is far superior to any draw center or shaker grate, because it cleans the fire thoroughly, and by striking at four points will break up and remove all clinkers.

The hover used on Queen stoves is collapsible and made of four pieces of galvanized iron. By being collapsible, it enables you to save room when storing, and lessens the danger of damage, when not in use. It is not necessary to raise the hover to put in coal.

The Queen stove provides a constant, correct heat, and a constant distribution that makes the chicks develop into strong, healthy fowls. By brooding outside the hover, the chicks get plenty of pure, fresh air, plenty of exercise, and there is no possible chance of them crowding or suffocating.

The Queen burns any kind of fuel with equally satisfactory results. However, hard coal will not cause the pipe to become dirty as quickly as the others.

	No. 1 600-Chick Size	No. 2 1200-Chick Size
Height to top of stove.....	23 inches	26 inches
Diameter of cylinder.....	10 inches	11 inches
Diameter of hover.....	42 inches	52 inches
Diameter of grate.....	9 inches	10¾ inches
Height of hover from floor.....	8½ inches	11 inches
Price—Delivered to your freight station.....	\$20.00	\$25.00

WRITE FOR BABY CHICK PRICE LIST

QUEEN HOT-WATER INCUBATORS

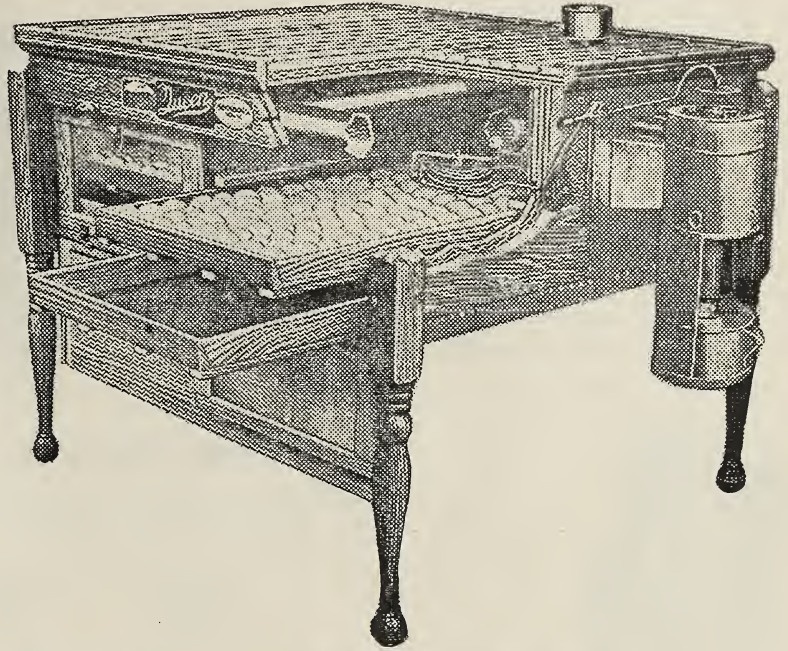
We will allow you a discount of 5% if you buy your incubator and brooder at the same time.

We pay the freight on incubators and brooders

STOP HATCHING WEAK CHICKS

with a cheap incubator

A Queen costs no more than other good incubators and the extra chicks that will live and grow will more than pay the difference between the Queen and a cheaper machine. It is not a matter of price but of how many chicks you hatch that counts; chicks that hatch out strong and healthy are the chicks that will live and take away the disappointments of poor hatches and sickly chicks, which die after a day or so. If you want chicks of strength and vitality, use a Queen.



HOW THE QUEEN KEEPS THE TEMPERATURE EVEN

Insulation is what prevents the easy entrance or escape of heat and upon the temperature of the machine depends the hatch. The Queen is doubly insulated. First, only the best of California redwood is used for the walls, which are double and between which is dead air space, and between these walls corrugated strawboard is used, making them doubly safe. This system of insulation adds to the cost of manufacturing, but it also means the proper temperature throughout the hatching period, less fuel and stronger chicks. Be sure that the incubator you buy is properly insulated.

THE CONSTRUCTION OF THE QUEEN INCUBATOR

The Queen is the sturdiest built machine on the market today and the material that enters into the construction of the Queen is the very best. Double redwood wall construction all around. Redwood is the best wood obtainable for incubators, as it does not warp, split nor absorb moistures or odors during use. It is far superior to metal, as metal is a conductor of heat and therefore a poor insulator. The construction of the Queen will appeal to anyone interested in incubators.

Other prominent features of the Queen incubator are: Simple to regulate, Self-supporting Egg Trays, Double Doors—one solid wood and panel and one all glass—copper boiler with cross pipes, which gives even temperature to all the walls at the same time and do not rust out. We guarantee every Queen incubator that we sell. Delivered prices on Queen Incubators:

No. 1.....	85 egg	\$27.50	No. 5.....	400 egg	\$68.00
No. 2.....	135 egg	37.50	No. 25.....	600 egg	103.00
No. 3.....	180 egg	44.50	No. 35.....	800 egg	132.00
No. 4.....	275 egg	57.75	No. 45.....	1000 egg	157.00

Style K incubators No. 20, 70 eggs, \$16.50. No. 21, 130 eggs, \$27.50. No. 22, 220 eggs, \$36.75

Queen Electric Incubator Heater—Alternating current 110 volts. The attachment can be attached to your machine in ten minutes' time and detached as quickly and your lamp put in place. You can readily see that if anything should happen to your electricity you can have your coal-oil lamp burning in ten minutes. You take no chances when using the Queen electric incubator heater. Add price of heater to incubator price. Price of heater, \$15.00. Delivered at your freight station.

POULTRY WATER FOUNTAINS

MOE'S TOP-FILL FOUNTAIN

Fill in the morning and your chickens have an all day's supply of pure water at just the right temperature.

The double wall keeps water cool in summer and retards freezing in winter. No valves to get out of order. Thoroughly sanitary and as easily cleaned as an ordinary pail. Does away with slopping over when being filled. Can be hung up out of the litter and the square pan prevents spilling at that time. The square pan also affords drinking facilities for two pens at the same time.

Fills from top. The most popular fountain on the market.

- No. 1. 1-gallon capacity, shipping weight 4 lbs., each... \$1.75
- No. 2. 2-gallon capacity, shipping weight 5 lbs., each... 2.40
- No. 4. 4-gallon capacity, shipping weight 9 lbs., each... 3.25

If wanted by mail, add postage.

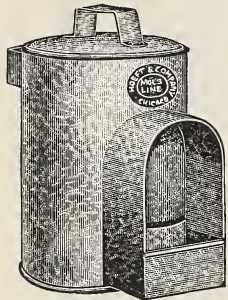


MOE'S IMPROVED WALL FOUNTAINS

Made of heavy galvanized iron, in three sizes. The covered outlet keeps out dust and dirt, and the outlet is further protected by a removable plate which prevents any floating rubbish from being drawn into the reservoir.

No.	Capacity	Shipping Weight	Each
97	2 Quarts	3 Lbs.	\$0.85
98	1 Gallon	4 Lbs.	1.00
99	2 Gallons	5 Lbs.	1.35

If wanted by mail, add postage.



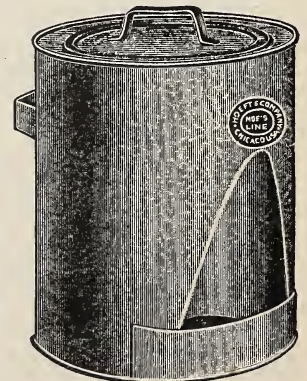
MOE'S WALL FOUNTAINS

A large capacity fountain, made of heavy galvanized iron.

This style appeals to many breeders, as it is a strong, substantial wall fountain at a low price. Excellently adapted for watering pigeons. Easily filled and nothing to get out of order. Capacity 5 gallons.

- No. 74. Shipping weight 6 lbs. Each.....\$1.95

By mail, add postage.



MOE'S WALL FOUNTAINS

A practical and convenient style of fountain, made of heavy galvanized iron. Can be hung on the wall, up out of the litter.

A very popular style with many breeders.

Made with a removable bottom, so that all parts may be easily cleaned and kept in a sanitary condition. Capacity about one gallon.

- No. 26A. Shipping weight, 2 lbs.....\$0.75

By mail, add postage.



CONKEY'S FEEDS GIVE BEST RESULTS

POULTRY DRINKING FOUNTAINS

MOE'S BOTTOM FILL FOUNTAINS



This fountain fills the breeder's requirements for a good, inexpensive article. Made in two pieces accurately stamped and formed. Easily filled and cleaned. The round taper shape prevents bursting from freezing. The cone-shaped top prevents chickens from roosting thereon. Made of best quality galvanized in three popular sizes.

	Price	Shipping Weight
No. 19—1 qt.....	\$0.35	1 lb.
No. 20—2 qt.....	.45	2 lbs.
No. 24—1 gal.....	.60	3 lbs.

By mail, add Postage.

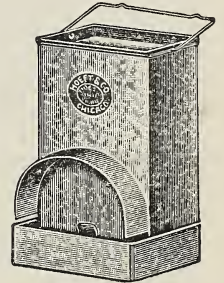
MOE'S DROP BOTTOM WALL FOUNTAIN

A practical, durable fountain. Easy to fill and easy to clean. Made of best quality galvanized iron. May be hung on the wall out of the litter and dirt. Suitable for chicks, fowls or pigeons. Fitted with wire handles, so that two or more fountains, back to back, can be carried in one hand.

Made in three sizes.

No.	Capacity	Shipping Weight	Each
40	2 Quarts	2 Lbs.	\$0.90
41	1 Gallon	3 Lbs.	1.15
42	2 Gallons	4 Lbs.	1.35

By mail, add Postage.



SANITARY EARTHEN FOUNTAIN

Constructed of white stoneware, in two parts, so that it can be easily filled and cleaned. It is the best fountain for use in administering medicine in water to your poultry.

These fountains keep the water fresh and cool in the hot weather and are endorsed by many successful poultrymen.

Nothing to wear out on these founts, and for use during these hot summer months they are unsurpassed. The different sizes will do for baby chicks, grown fowls or pigeons. Cannot be mailed.

Sanitary earthen founts are made in the following sizes:

SIZES AND PRICES.

1 quart.....	Each \$0.40	Doz. \$4.50	1 gallon.....	Each \$0.80	Doz. \$9.25
2 quarts.....	Each .60	Doz. 7.00	2 gallons.....	Each 1.00	Doz. 11.00

Half-Dozen NOT sold at the dozen price. Cannot be sent by mail.



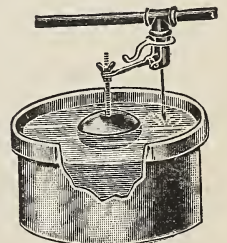
Sanitary Drinking Fountain.

MOE'S AUTOMATIC POULTRY FOUNTAIN

An automatic valve and float to regulate the flow of water to a drinking dish. Brass valve, positive in action and will not rust or clog up. Can be attached to a barrel or tank or to an iron water pipe. Threaded for 1/4 in. iron pipe.

No. 30. Valve and float only.....	1 lb.	Each \$0.90
No. 31. Water pan only. Diam. 9 in.....	2 lbs.	Each .40
No. 31A. Valve and pan complete, as shown.....	3 lbs.	Each 1.25

By mail, add postage.



BABY CHICK WATER FOUNTAINS

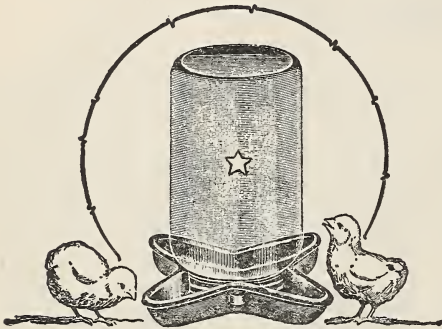
MOE'S STAR FOUNTAIN AND FEEDER

The latest improved type of Mason jar founts. Made of single piece of heavy non-rusting material. No seams, no solder, no loose parts, cannot leak. Provides a greater drinking surface than the round fountains. Can be used for feed as well as water. Little chicks cannot drown. Fits any Mason jar. Convenient, practical, low in price and durable.

Price.....10c each, \$1.20 dozen

Shipping weight, per dozen, 4 pounds. By mail, add postage.

We do not furnish jars.

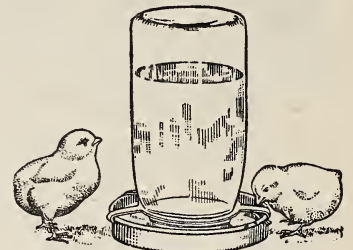


N. W. AUTOMATIC FEEDER AND FOUNTAIN

Just the Fountain you have been looking for. It feeds water, grain, grit, oyster shell, etc., and is the most Sanitary Fountain on the market, having a glass reservoir, which is easily cleaned, and you can always see just how much water it contains without taking hold of it, and is so simple any child can fill it. Weight, per dozen, 5 pounds.

Price, without jar.....each, 15c; dozen, \$1.75

By mail, add postage. Jar not included.



N. W. Automatic Feeder and Fountain.

MOE'S BROODER FOUNTAINS

No brooder is complete without one of these simple, sanitary fountains. Fits in a corner of the brooder and occupies but a small space. Can be hung up if desired.

Baby chicks cannot get wet. Easily cleaned.

Made of best quality galvanized iron.

No. O. Capacity, 1 quart, shipping weight 1 pound.....Each 45c

By mail, add postage.



MOE'S MAGAZINE CHICK FEEDER AND WATERER

A new round chick feeder with a magazine or container to hold a good quantity of feed. The upper magazine is fitted to the feeder top with a spiral thread so it can be adjusted up or down to feed the various kinds of grain. It can also be used as a drinking fountain, as the magazine is water and air tight.

Diameter of feeder, 8¼ in. Capacity. 2 quarts. Shipping weight, 2 pounds.

No. 18—Moe's Chick Feeder.....Each 60c

By mail, add postage.



While the above fountains are made for baby chicks only, we can also recommend the fountains on page 8 for the little chicks. The Moe's bottom fill fountains, Moe's drop bottom wall fountains and the sanitary crock fountains listed on page 8 have been used for years and have given excellent results. These fountains can be used for larger broods of chicks than the small quart fountains, thereby saving time and labor.

WE PAY THE FREIGHT ON INCUBATORS AND BROODERS

DRY MASH FEEDERS

The necessity of feeding dry mash is becoming more and more apparent. To produce an egg you must feed a balanced ration. Since the scratch grains produce the yolks and the mash feed the whites of eggs, you can readily see that feeding scratch grain alone actually prevents a fowl from laying. This may sound strange, but it is a fact that when too many yolks are formed they are absorbed by the fowl's body and make the bird get fat instead of laying. So, if you insist on feeding your birds only one feed, be sure that you feed a mash feed instead of a scratch feed. However, to feed for eggs and a profit it is absolutely necessary to feed both feeds. You should have a good dry mash before them at all times. At first they may eat ravenously, but after a short time they will not eat any more than they need. Then is when your profits should begin to show up, providing the housing is right and the birds are free from vermin.

A good dry mash hopper is a necessity. A good dry mash hopper is preferably made of metal so that it can be easily cleaned and will not absorb odors from the meat or fish scraps. A good dry mash hopper is one that allows the feed to flow freely. You should be able to close it up at night to keep the rats and mice out of it at night. It should be so constructed that the fowls cannot waste any feed by scratching it out. It should be made so that there is no danger to the combs of the birds when eating.

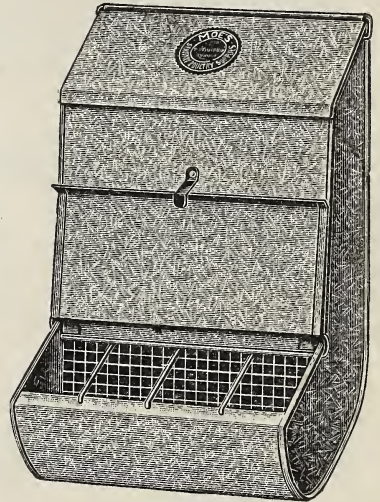
We have listed only dry mash hoppers that we know will pay for themselves through an increase in eggs and saving in feed, not to say anything of the convenience and saving of time and labor to you.

MOE'S DRY MASH HOPPERS

A Dry Mash Hopper of great merit, made of heavy galvanized iron. All parts accurately stamped with dies. The curved bottom keeps the feed within easy reach of the birds, and the taper shape of the hopper—larger at bottom—prevents the feed from clogging.

The wire grid and the wires running from the flange through the wire grid prevent the fowls from throwing out or wasting the feed.

The sloping top prevents them from roosting on the hopper. When both covers are closed it is rat, mouse and weather proof.



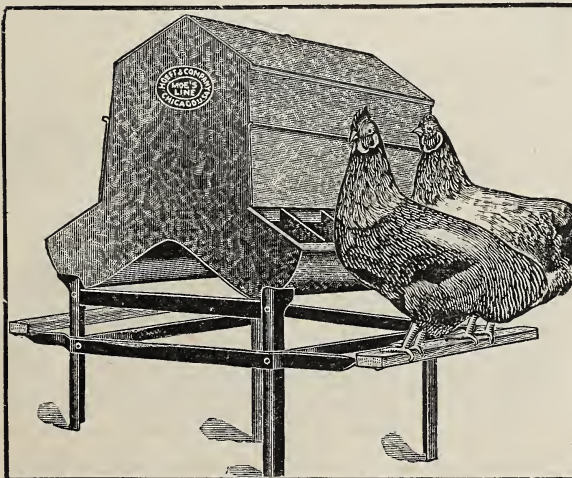
No. 36.

Made in four sizes.

No.	Height	Width	Shipping Weight	Each
35	19 in.	8½ in.	5 lbs.	\$1.50
36	19 in.	12 in.	6 lbs.	2.00
13	19 in.	18 in.	8 lbs.	2.40
37	19 in.	24 in.	11 lbs.	2.80

By mail, add postage.

MOE'S MAMMOTH DRY MASH HOPPER



No. 3.—Hopper and stand complete. Price, each.....\$9.50

A large capacity hopper built on correct principles. Made of heavy galvanized iron, strong and substantial in every detail.

Has many excellent features; for instance, it will accommodate a full 100-lb. bag of mash, doing away with the annoyance and waste of having a partly empty bag of mash on the premises. The feed is within easy reach of the chickens, and is protected from the weather and from the ravages of rats and mice.

The taper shape and interior construction provides a uniform automatic feed, and the wire grid and cross wires prevents any waste.

The stand is of heavy angle iron, painted, and has wooden bars for the poultry to rest on when feeding.

Length of hopper, 35 in. Width, 21 in. Height, 18½ in. Capacity, 100 lbs.

Height of stand, 15½ in. Total height, 34½ in.

Packed one in a box. Shipping weight, 40 lbs.

DRY MASH HOPPERS

THE NORWICH AUTOMATIC DRY MASH HOPPER

The problem of automatic dry mash feeding is solved in this wonderful machine. Operated with automatic vibrator rods, clogging is impossible, while the construction of the feed basin eliminates all waste. The mash is always fresh and clean and always the same amount before the birds.

Made in one size only, 20 quarts capacity.

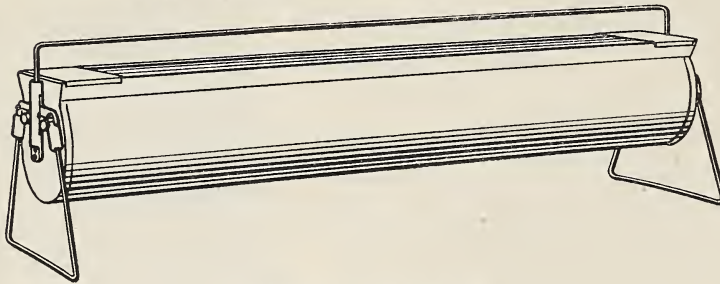
Price: Shipping weight, 8 pounds.....\$5.00

By mail, add postage.



Norwich
Dry Mash Hopper.

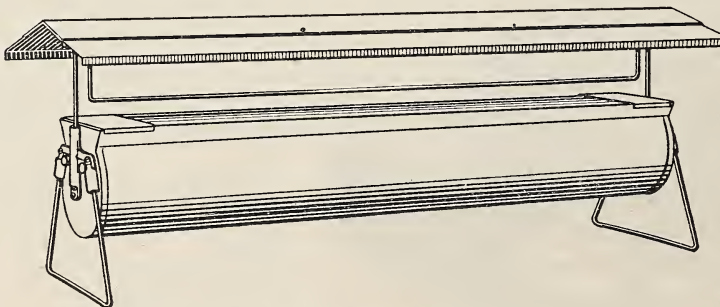
CONKEY-NORWICH MASH FEEDER



WITHOUT RAIN TOP
For Inside Feeding.

The **Vibro Feeder** consists of a Feed Basin or Body $4\frac{1}{4}$ inches in diameter, 27 inches long, with out-turned flanges at the opening, and has a capacity of about ten pounds. Crossing the opening is an adjustable Guard Rod, which prevents the chicks from getting into the feed and is too small to permit their standing or roosting on it. Running lengthwise in the basin are two Vibrator Rods loosely journaled at the ends, which vibrate when touched by the bird, with the result that when "Biddie" has "hooked" or "billed" the feed up against the sides of the Feeder she hits a Vibrator Rod, the mash slides gently back into the basin, and her "billing" efforts count for naught.

To prevent sideways billing there is a Follow Rod working in slides at each end of the basin, which rests on top of the feed, and the combination of Vibrator and Follow Rods presents a condition to the bird that she simply cannot beat, so she puts her head under the Guard Rod, eats all she wants in a most lady-like manner, and the breeder is saved anywhere from 15 per cent to 20 per cent of his feed bills, which has heretofore been wasted by the chicks' habit of billing.



Without
Rain Top
Weight
5 lbs.
Price
\$1.60.
By Mail,
Add Postage.

With
Rain Top
Weight
7 lbs.
Price
\$2.00.
By Mail,
Add Postage.

WITH RAIN TOP
For Range and Outside Feeding.

"Say It With Flowers" Remember that flowers about the home are essentials, not luxuries, and pains should be taken to provide for plenty of them.

BABY CHICK FEEDERS

MOE'S SINGLE FEEDING TROUGHS



Made of best quality galvanized iron. For chicks and growing stock. Accurately stamped with dies. No rough edges, and can be hung on the wall. Sliding top.

No. 55—Length 12 in., shipping weight 2 lbs. Each...\$0.35

No. 56—Length 18 in., shipping weight 3 lbs. Each.... .40

No. 57—Length 24 in., shipping weight 4 lbs. Each.... .55

By mail, add postage.

MOE'S DOUBLE FEEDING TROUGHS

Made of best quality galvanized iron. Double trough, with sliding top, easily filled and cleaned. Accurately stamped with dies. No rough edges.

No. 58—Length 12 in., shipping weight 2 lbs. Each...\$0.45

No. 59—Length 18 in., shipping weight 2 lbs. Each.... .60

No. 60—Length 24 in., shipping weight 3 lbs. Each.... .70

By mail, add postage.



MOE'S ROUND BABY CHICK FEEDERS



No. 11 Feeder

This round feeder is one of the most popular feeders on the market. Made of best quality galvanized iron, accurately stamped with dies, and well made in every detail. The top fits snugly, yet the feeder can be easily taken apart for cleaning and filling. It is a great food saver, as the chicks cannot get into the feeder and contaminate the food. The chicks cannot upset it.

	Diameter.	Shipping weight.	Price each
No. 11	6 in.	1 lb.	15c
No. 12	8 $\frac{3}{4}$ in.	2 lb.	25c

By mail, add postage.

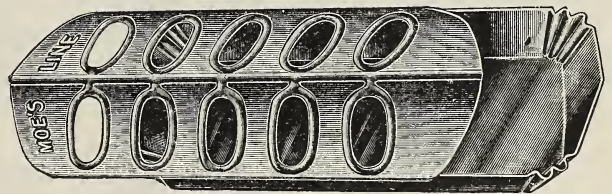
ALUMINUM FEEDING TROUGHS

Buttermilk Feeding Troughs, made of pure aluminum, which is not affected by the acids of milk and similar feeds.

The trough and top are each stamped in one piece, no seams, rivets or solder used. Sliding Top makes it easy to clean and fill. Made in two sizes.

No.	Length.	Shipping Weight.	Each
69	10 in.	1 lb.	\$0.50
70	20 in.	1 lb.	.90

By mail, add postage.

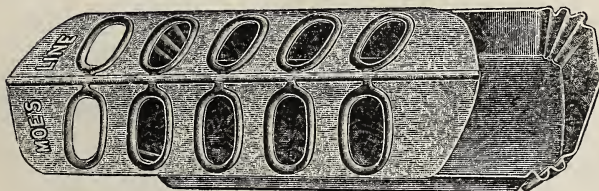


MOE'S ECLIPSE FEEDING TROUGHS

A new popular priced feeding trough, made of galvanized iron and intended for chicks and growing stock. The pan and top are both stamped in one piece, no seams, rivets or solder used. Sliding top makes them easy to fill and keep clean. Made in two sizes.

No.	Length.	Shipping Weight.	Each
27	10 in.	1 lb.	\$0.25
28	20 in.	1 lb.	.40

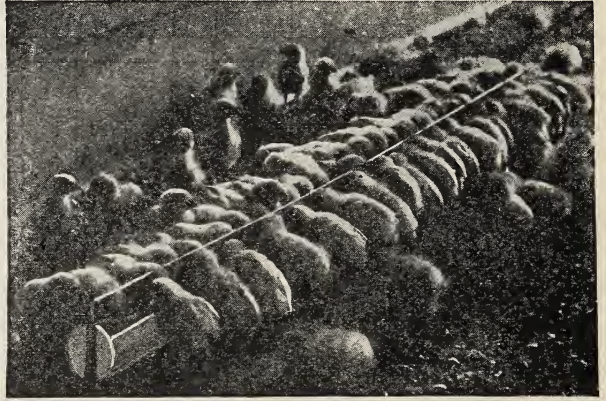
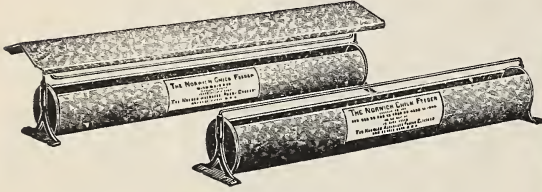
By mail, add postage.



WRITE FOR BABY CHICK PRICE LIST

BABY CHICK FEEDERS

THE NORWICH CHICK FEEDER



Without a doubt the best chick feeder ever invented. It is convex in shape, making it impossible for the chicks to pull or scatter the feed. Feed is protected by rod extending across the top of the feeder so that there is no chance of contaminating the feed.

The body of the Norwich Chick Feeder is of galvanized steel with ends riveted and burred to malleable iron brackets. Guard rod is removable to facilitate in filling and for thorough cleaning. It is water tight and may be used for mash, chick feed, sour milk or water with equal satisfaction.

It is the strongest and best chick feeder ever placed on the market and will last a lifetime, hence it is the cheapest feeder you can use.

Made in one size only—20-inch with Rain Top—3 lbs., \$1.00; without Rain Top—2 lbs., 75c. By Mail, add Postage.

Hygienic Feeding. Fifty-one Chicks at Work on Two Feeders Attached to Board.



MOE'S MAGAZINE CHICK FEEDER AND WATERER

A new round chick feeder with a magazine or container to hold a good quantity of feed. The upper magazine is fitted to the feeder top with a spiral thread so it can be adjusted up or down to feed the various kinds of grain. It can also be used as a drinking fountain, as the magazine is water and air tight.

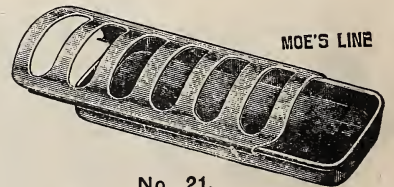
Diameter of feeder, 8¼ inches. Capacity, 2 quarts. Shipping weight, 2 pounds.

No. 18. Moe's Chick Feeder.....Each 60c
By mail, add Postage.

MOE'S SANITARY FEEDING TROUGHS

Suitable for dry feed, wet mash, or water. For grown fowls or growing chicks. The tops slide off so the pan can be easily cleaned and filled. Made of the best quality galvanized iron, accurately stamped with dies. The edges of the slotted openings are all turned over and smoothly finished. No sharp or rough edges to injure the chicks. Made in three sizes.

No.	Length	Shipping Weight	Each
21	12 in.	2 lbs.	\$0.40
22	18 in.	3 lbs.	.60
23	24 in.	4 lbs.	.75



No. 21.

SIMPLICITY CHICK FEEDER



Simplicity Chick Feeder

This Feeder sets on the ground and is a long, trough-like feeder. Top bar keeps chicks from getting into the feed. This is an excellent feeder for mash, milk etc. Shipping weight, 2 pounds. By mail, add postage.

One size only, 18 inches long.....\$0.35

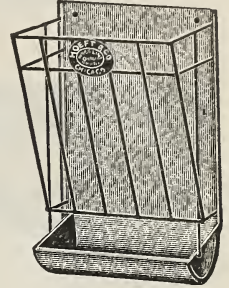
MOE'S POULTRY VEGETABLE RACK

Made of best quality galvanized iron, with galvanized wire rack. A practical device for holding roots, beets, cabbages, sprouted oats, clover, etc., and prevents scattering and wasting of food.

The round bottom trough catches the small, tender leaves, and is easily cleaned. The feed saved soon pays for the racks.

Shipping weight, 2 lbs.

No. 44—Vegetable Rack. Each.....\$0.75
By mail, add postage.



EXHIBITION POULTRY COOPS

**BIRDS DO NOT SHOW THEIR GOOD POINTS IN A POORLY
CONSTRUCTED COOP**

These exhibition coops, made of the best galvanized steel wire and sheet metal electrically welded, are the most attractive and best value on the market today. They contain no clips or projecting bolts to break the feathers of the fowl. The doors are large, making it easy to remove the birds or replace them.

The middle partitions are woven close, so the birds cannot fight when close together. By removing the middle partition you can combine two or more coops, as many as desired, for trios or pens. Two coops made in one are large enough for a pen of five birds.

No. 46. Single coop, 24x24x27 inches high.

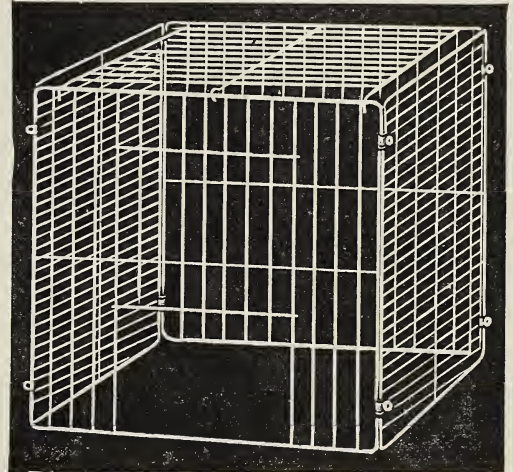
Each, \$1.75; dozen, \$20.00.

Pen 48x24x27 inches high.

Each, \$3.00; dozen, \$35.00.

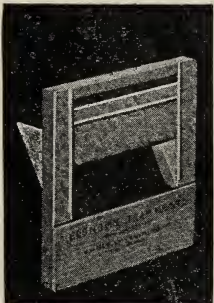
Exhibition coop cups, each....\$0.15

Postpaid20



TRAP NEST FRONTS

With this front you can make the cheapest and most practical trap nest. Simply nail the front to a box. They will pay for themselves in stopping egg eaters and picking out the drones. We sell the traps only. Price, single trap (weight 3 lbs.), 50c; double trap (weight 5 lbs.), 95c; triple trap (cannot be mailed), \$1.35.



By mail, add postage.

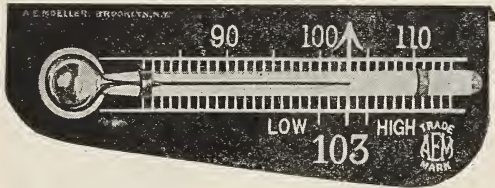


WALL FEED PANS

Hangs on two nails. Easy to clean. Saves waste. Always out of the way. Wet or dry feeds. 6-inch (weight, 1 lb.), 20c; 12-inch (weight, 2 lbs.), 30c; 18-inch (weight, 3 lbs.), 40c.

THE INTERNATIONAL SANITARY HOVER WILL RAISE YOUR CHICKS RIGHT

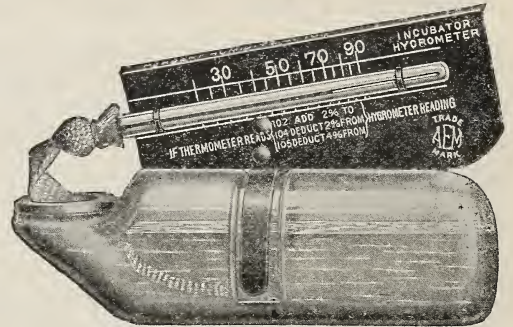
THERMOMETERS and HYGROMETERS



All Thermometers sent postpaid, purchaser's risk.

The tested Incubator Thermometer is made in a triangular shape, as shown here, with heavy, black oxidized scale, so that same can be read easily, and lie on the eggs in proper angle. We cannot guarantee safe arrival of any thermometers. Sent at purchaser's risk.

Price, 75c each, postpaid.



Hygrometer.

This instrument is designed to meet the demand of the practical poultryman for a simple, direct reading gauge which will enable him to keep the amount of moisture in his incubator as near as possible to desired point.

By noting the position of the mercury column, the operator can tell at a glance whether to increase or decrease this amount.

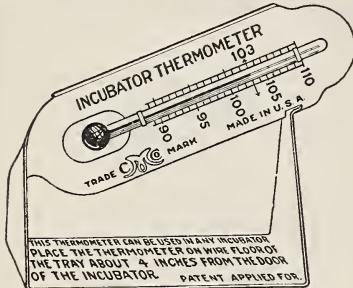
Price, \$1.10 each, postpaid.

The Universal Incubator is a new pattern that can be used with perfect satisfaction in any make of incubator. It has a mercury filled tube and is triple-tested for accuracy. We recommend this thermometer above all others for incubators.

Price, \$1.00, postpaid.



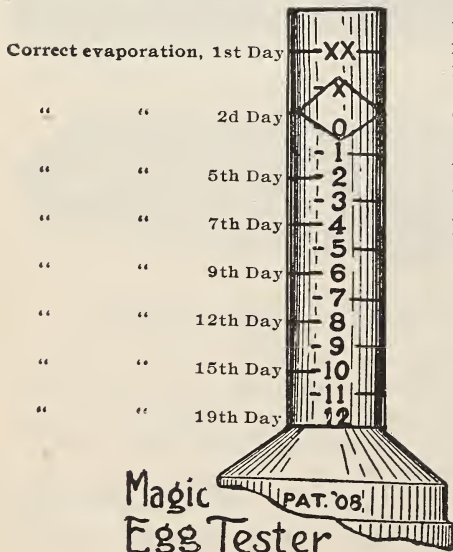
Brooder Thermometer, 75c each, postpaid.



No. 403

Universal Thermometer.

Showing How to Govern Moisture During Incubation.



BREEDER'S MAGIC EGG TESTER

The Magic Egg Tester has revealed the true cause of infertile eggs, and the subject is made clear and plain in a bulletin included with the Tester. The poultryman who is interested must look to our bulletins sent out with every Tester for further uses of the Magic Egg Tester, as limited space will not permit discussing them herein.

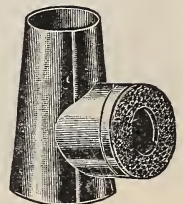
This test is not by weight. A large egg, when rotten, weighs more than a new-laid egg of smaller size. The register of the Magic Egg Tester shows the quality of every egg to be just what it is, which explains the difference between the weight of an egg by scales and specific gravity.

Price, each, \$2.50, postpaid.

HANDY EGG TESTER

This Egg Tester is designed for use on ordinary hand lamp, and fits over any style of burner with a diameter approximating that of the tester. In a dark room the light will be found strong enough to penetrate the shell and illuminate interior of egg.

Price, 35c, postpaid.

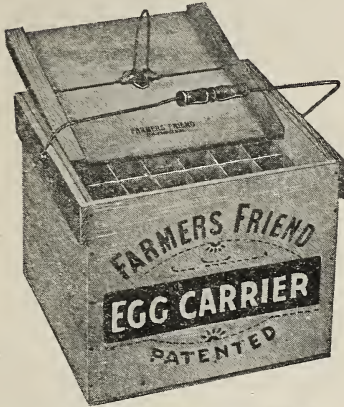


Handy Egg Tester.

PARCEL POST EGG CARRIERS

FARMER'S FRIEND EGG CARRIER

Insures safety of egg transportation through the mails. A boon to poultry raisers everywhere. Light in weight. Strong in construction.



Farmer's Friend Egg Carrier.

In our Farmer's Friend Egg Carrier you will find one of the most useful and convenient articles that a farmer and poultryman can have. No shipper of eggs can afford to be without these Parcel Post Egg Carriers. The demand from the city markets for fresh eggs is such that it is to the wideawake farmer or poultryman's interest to be prepared to mail eggs as soon as laid. Parcel postage is cheap, hence big returns await the egg shipper.

The Farmer's Friend Egg Carrier is made with patent lid fastener and equipped with handle as shown in cut.

The Farmer's Friend is the only farmer's egg carrier having solid sides, which protects eggs and fillers from weather.

Capacity	Weights	Each
6 doz.	5 lbs.	\$1.00
9 doz.	6½ lbs.	1.10
12 doz.	8 lbs.	1.20
15 doz.	9 lbs.	1.30

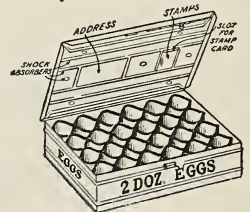
By mail, add postage.

METAL EGG CARRIERS

These carriers assure safe delivery of eggs no matter how far they are sent. Being made entirely of metal, they are very durable and will last for years with a little care. Yet they are light and compact and cost very little more to send by mail than the other cases. They are far more economical in the long run than the other styles of cases.

Sizes	Price, Each	Postpaid
1½ doz. eggs.....	\$1.25	\$1.32
2 doz. eggs.....	1.50	1.57
3 doz. eggs.....	1.75	1.83
4 doz. eggs.....	2.00	2.09
6 doz. eggs.....	2.50	2.60

Postpaid prices are figured for first and second zone only.



THE INTERNATIONAL "PERFECTO" EGG BOX

A better box that carries eggs safely and stands trip after trip. It is made of extra heavy fibre board, wire stitched at the corners and reinforced by a metal band all around. It is fastened by a key ring clip on the metal band. No strings, no glue, no tape to mess around with. Will outlast any metal or board box. Strong, safe, lasting, low-priced.

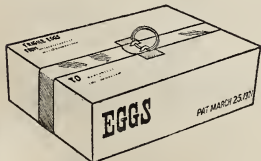


1 doz. eggs, shipping weight 2 lbs.....	\$0.30	6 doz. eggs, shipping weight 4 lbs.....	\$0.80
2 doz. eggs, shipping weight 2 lbs.....	.40	9 doz. eggs, shipping weight 5 lbs.....	1.00
3 doz. eggs, shipping weight 3 lbs.....	.50	12 doz. eggs, shipping weight 6 lbs.....	1.20
4 doz. eggs, shipping weight 3 lbs.....	.65	15 doz. eggs, shipping weight 7 lbs.....	1.40

INTERNATIONAL PERFECTO HATCHING EGG BOXES.

15 eggs, shipping weight, 2 lbs.....	\$0.35
30 eggs, shipping weight 2 lbs.....	.50
50 eggs, shipping weight 4 lbs.....	.70
100 eggs, shipping weight 6 lbs.....	1.00

By mail, add postage.



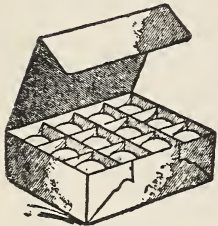
ST. ANDREASBERG BIRD SEED WILL KEEP YOUR CANARY SINGING

MOE'S REGAL EGG CARRIERS FOR HATCHING EGGS

This "Safety First" box is adapted to either Parcel Post or Express use and can be used time after time. We stand right behind this box and believe it to be the safest and most durable egg carrier on the market. It is so strong that it will more than bear your own weight, and so safe that when filled with eggs, it will withstand the severest jolt without breaking an egg. Eggs have been shipped in this box and taken from a train going at 50 miles an hour by the Hupp Automatic Mail Exchange and then placed in an incubator, which resulted in a 75 per cent hatch. We have many testimonials from breeders who will use no other box for shipping fancy eggs. Manufactured of strong corrugated fibre board in four sizes:

No.	Capacity	Shipping Weight	Each	Dozen
14	15 Eggs	2 lbs.	\$0.25	\$2.40
15	30 Eggs	3 lbs.	.45	4.80
16	50 Eggs	5 lbs.	.75	8.40
17	100 Eggs	8 lbs.	1.35	15.00

By mail, add Postage.



Handy

"HANDY" EGG CARRIER

These boxes are made of heavy Cardboard and hold one dozen eggs. They are especially adapted to carrying eggs to customers and the 2x6 size also fit in the Farmer's Friend Egg Carriers. If you sell eggs to regular customers these boxes will prove very satisfactory.

	10	25	50	100	500	1000
2 x 6	\$0.20	\$0.40	\$0.75	\$1.45	\$7.25	\$14.00
3 x 4 .....	.15	.35	.60	1.10	5.25	10.00
2 x 6 Continental.....	.20	.40	.75	1.45	7.25	14.00

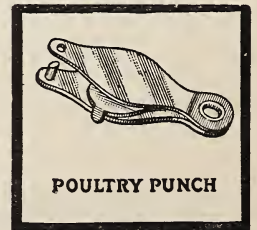
By mail, add 10c per 100.

SHIPPING BOXES FOR BABY CHICKS

	Each	25	50	100	
25 Chick size.....	\$0.15	\$2.75	\$5.00	\$9.00	weight per box 1 1/4 lbs.
50 Chick size.....	.20	3.75	7.00	12.50	weight per box 2 lbs.
100 Chick size.....	.25	5.00	9.00	16.00	weight per box 3 lbs.

POULTRY PUNCHES PETTEY'S PUNCH

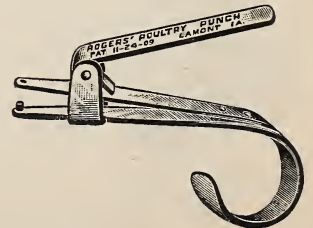
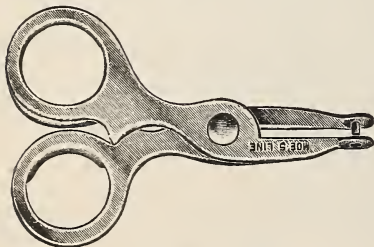
With this small punch you can make a small hole through the web between the toes of the chicks. In this way you can distinguish the chicks. There are sixteen different markings that can be used. The Pettey's Punch will punch a clean hole without bruising the foot. Fits in the vest pocket. A practical and popular punch. Price.....25c postpaid



POULTRY PUNCH

MOE'S PUNCH

A new improved punch, scissors type, Works easily, cuts clean and does not bruise the foot. Convenient to carry in vest pocket, and the lower end is an excellent cigar cutter. Nickel plated finish. Length, 3 1/2 inches. This punch is the best punch you can buy as it will last forever. Price, each.....50c postpaid



ROGERS' POULTRY PUNCH

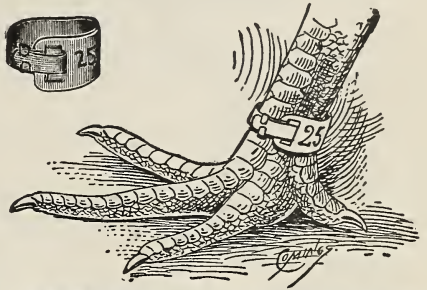
The invention of Tom Rogers, one of Iowa's foremost poultry authorities. This punch makes a clean hole and does the work rapidly. Price40c postpaid

LEG BANDS

IMPROVED CHAMPION ADJUSTABLE BAND—The most popular band on the market. Made in one size adjustable to fit any fowl. Held by double lock. Made of aluminum, 25 for 25c; 50 for 45c; 100 for 75c, postpaid.



If numbers are desired in rotation, 25 or more bands must be ordered.



Champion Leg Band.

SPIROL LEG BANDS. Mark your hens and pullets differently. Know what you are doing. Spirol bands are made of seasoned celluloid. Last a lifetime. Slip on like a key ring. Birds cannot lose them. Light as a feather. Will not fade. Colors: Black, white, dark blue, pink, light blue, red, green yellow, purple.

	12	25	50	100
Baby Chicks.....	\$0.10	\$0.20	\$0.35	\$0.60
Pigeons.....	.10	.20	.40	.65
Mediterranean.....	.15	.25	.40	.75
American.....	.15	.25	.45	.85
Asiatics.....	.20	.35	.65	1.20
Geese, Turkeys.....	.25	.40	.70	1.35

COLORED LEADER BANDS



Light in weight, but of sturdy design and construction. Fits any size fowl from bantam to cochin. A continuous line of color around the band makes it easy to distinguish a bird, so far as brood or pen is concerned, at a glance. This popular band is furnished in six colors: Red, blue, green, yellow, pink and white. Large permanent numbers and fast colors 25 for 50c; 50 for 85; 100 for \$1.50 postpaid.

MOE'S PIGEON FEEDERS



Pigeons are particular and fastidious feeders with a strong tendency to scatter and waste feed. Moe's round pigeon feeder was especially designed to overcome this. Made of heavy galvanized iron, with feeding holes properly spaced all around the hopper. The hopper has a slanting bottom leading through a large tube to the feeding bottom. This feeding trough or bottom is also made on a slant causing the birds to reach for the food and prevents them from billing the feed out and wasting it.

A practical, economical feeder which will soon save its cost.

No. 105—3 qt. capacity.	Shipping weight 3 lbs.	Each.....	\$1.00
No. 106—6 qt. capacity.	Shipping weight 4 lbs.	Each.....	1.50

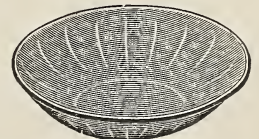
By mail, add postage.

MOE'S PIGEON NESTS

Made of galvanized iron. Diameter 8 in. with a small hole punched in center so it can be tacked to a board. Generally used in pairs.

Light in weight, yet substantial, and easily cleaned.
Packed 24 in a box. Shipping weight 12 lbs. By mail, add postage.

No. 107—Pigeon Nests. Each, \$0.15. Per dozen.....\$1.80

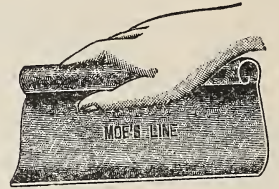


WRITE FOR PRICE OF CONKEY'S PIGEON FEED

MOE'S SCRAPER AND CLEANER

Made of heavy galvanized iron, and is just the thing for cleaning out brood coops, nests and dropping boards. It gets into the corners, which are often overlooked. Length, 10 inches. Shipping weight, 1 pound. By mail, add postage.

No. 27. Scraper and Cleaner.....Each \$0.20



MOE'S HANDLED SCRAPER



Made of hard, stiff sheet steel. Light in weight, yet strong and durable. The toothed or rake edge is excellent for cleaning sand or sifted ashes on drop boards. Length of blade 9½ in. Width 4 in. With 30-in. hardwood handle securely riveted to the blade. Shipping weight 2 pounds.

No. 51. Handled Scraper.....Each \$0.50

MOE'S LICE REPELLING WHITE NEST EGGS

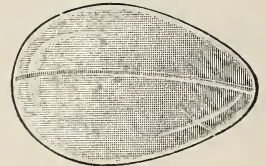
A white, sanitary, lice repelling nest egg of superior quality and appearance. They are unsurpassed as a disinfectant in the poultry house and aid greatly in keeping the nest and the hen free from vermin.

Closely imitate a real egg in appearance, and contain a powerful disinfectant. Some breeders recommend placing one in a corner of each nest under the straw.

Soon pay for themselves in increased yield.

Shipping weight, per dozen, 3 pounds. By mail, add postage.

No. 66. Moe's Lice Repelling Nest Eggs. Per dozen.....\$0.60



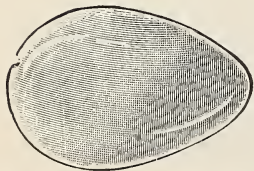
MOE'S CHINA NEST EGGS

Made of white porcelain, natural in appearance, and uniform in size. Will not easily break.

They induce the hen to lay where she should—in the nests provided for her.

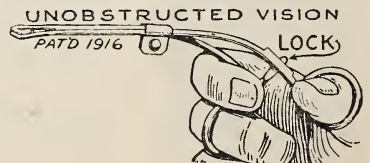
Shipping weight per dozen 2 pounds. By mail, add postage.

No. 67. Moe's China Nest Eggs.....Per Dozen \$0.35



BURDIN'S UNOBSTRUCTED VISION CAPON TOOLS

Will please you better than any other tools on the market. Fifty years ahead of the second best. Much superior to any other tool made. Your hand is not in the way to obstruct your view. Does not require a large brutal incision. Will not slip like the springy kind of remover. If you have failed or had a large percentage of slips with any other kind of capon tool, try this tool and you will be successful. Use this tool once and you will never seek a better tool. These tools mark a new era in caponizing and capon production. Price, postpaid.....\$5.00



BEUOY'S CAPONIZING SET

No. 20—Without Bow

Put up in a neat box packed in cotton. Price, postpaid\$4.75

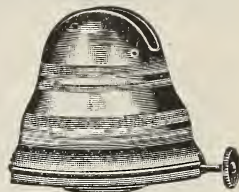
WRITE FOR BABY CHICK PRICE LIST

INCUBATOR AND BROODER ACCESSORIES

"SUN" HINGED LAMP BURNERS

Used extensively by Incubator and Brooder manufacturers. So designed that perfect combustion is insured. Easily cleaned and trimmed.

	Each
No. 1	\$0.40
No. 2 .....	.45
No. 3 .....	.75
No. 2. For No. 3 chimney.....	.60
No. 3. Double wick.....	1.25



"ZENITH" LAMP BURNERS

A "No-Chimney" Burner for Incubators, Brooders, Fountain Heaters, etc. Perfect combustion without a chimney. When used with our lamp fount the No. 1 burner is suitable for a lamp box 7 inches high, and the No. 2 burner for a lamp box 9 inches high.

No. 1	\$0.45	No. 2	\$0.60
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MOE'S HIGH GRADE RED FELT LAMP WICKS

A good wick is very important, especially when it is in continuous use as on a brooder or incubator lamp. Our wicks are special high grade red felt, and a big improvement over the old style loosely woven cotton wicks, which often get clogged in the burner shaft. No loose threads to burn uneven and smoke.

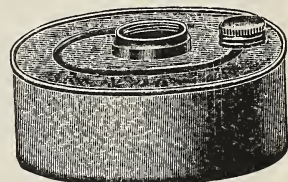


No.	Width	For Burner	Per Dozen
208	3/8 in.	No. 1	\$0.25
209	7/8 in.	No. 2	.35
210	1 1/2 in.	No. 3	.50

MOE'S LAMP BOWLS

Heavy galvanized iron bowls or founts for Incubators, Brooders and Fountain Heaters. Made in three sizes. The two larger ones are strongly braced and reinforced on the inside, making the top and bottom perfectly rigid. No give or spring to the top which is a common fault with ordinary bowls.

- No. 100. Lamp Bowl. Diameter, 6 in. Height, 1 1/2 in. Has a side handle. Takes size 1 burner. This is the same bowl as used in our No. 10 Fountain Heater. Shipping weight, 2 lbs. Price, each.....\$0.50
- No. 101. Lamp Bowl. Diameter, 6 3/4 in. Height, 2 1/4 in. Takes size 2 burner and size 2 chimney. Shipping weight, 2 lbs. Price, each.....\$0.60
- No. 102. Lamp Bowl. Diameter, 8 in. Height, 2 3/4 in. Takes size 3 burner and size 3 chimney. Shipping weight, 2 lbs. Price, each.....\$0.75



METAL CHIMNEYS

For Incubators and Brooders. Made of galvanized sheet steel, with round mica window. The mica can be easily replaced if it should accidentally be broken. In two sizes.

- No. 103. Metal Chimney. Height, 6 in. Fits sizes 1 and 2 burners. Price, each....\$0.30
- No. 104. Metal Chimney. Height, 6 in. Fits size 3 burner. Price, each......30

REDUCING COLLARS

Made of brass to reduce size of burner on oil fount.

	Reduce Burner	
No.	from Size	Each
204.....	.2 to 1	\$0.10
205.....	.3 to 2	.15

EXPANDING SCREWS

Made of brass to increase size of burner on oil fount.

	Increase Burner	
No.	from Size	Each
206.....	.1 to 2	\$0.10
207.....	.2 to 3	.15



SMOKE PIPE FOR BROODER STOVES

- No. 114. Smoke Pipe. Diameter, 3 in. Black sheet iron, in 2 ft. lengths. Price, per length.....\$0.15

CORRUGATED ELBOWS

- No. 115. Corrugated Elbows. Diameter, 3 in. Black. Price, each.....\$0.15

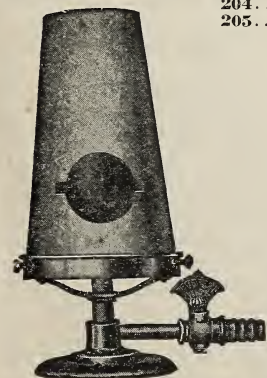
CHIMNEY COLLARS

- No. 117. Chimney Collars. Size 6x3 in. Price, each.....\$0.10

GAS HEATER

Our Gas Heaters are especially designed for the heating of incubators and brooders, and a gas burner designed for heating purposes can be operated at a much lower cost than a burner that is designed for lighting. These are blue-flame burners—the kind that turn every atom of gas into heat and don't waste any on light—a burner that can be operated at half the cost of an ordinary gas burner.

Our Gas Heaters are adapted to the use of natural or artificial gas. Price, \$2.00; postpaid, \$2.10.



Gas Heater, Complete.

Conkey's THE ORIGINAL Buttermilk Starting Food



This superior chick mash was the first commercial poultry feed containing buttermilk—that is why we call it the only ORIGINAL buttermilk starting feed.

Conkey's did not "just happen"—it is a scientifically balanced feed, as clean and wholesome and as conscientiously prepared as "infant food." Selected plump grains, ground to proper fineness, are combined with other ingredients so as to make the feed readily digestible, palatable and nutritious. TASTE it, SMELL it, that's the way to judge a chick feed.

Conkey's carries buttermilk in just the right proportion as an aid in prevention of bowel troubles, White Diarrhea, "leg weakness," etc. The buttermilk is Semi-Solid buttermilk, blended with the other ingredients by the ORIGINAL process in such a way as to preserve the appetizing, tonic, and other properties of the newly-churned product.

The moisture in the buttermilk is drawn off by the exclusive Conkey process in such a way as not to subject it to the terrific heat usually required in "drying" buttermilk.

Lactic acid in buttermilk is described as an "intestinal broom" which sweeps away unfriendly bacteria and disease germs in the delicate digestive tract. Buttermilk is also rich in one of the vitamins necessary to growing birds. It is a wonderful appetizer, aid to digestion and flesh builder.

However, it is not the buttermilk nor the other ingredients alone that cause people to declare that their chicks **grow twice as fast** on Conkey's.

GUARANTEED ANALYSIS

Crude Protein, 12%;
Crude Fibre, 4%; Crude Fat, 3%; Nitrogen Free Extract, 56% Carbohydrates, 60%.

Ingredients

Semi-Solid Buttermilk, pinhead oatmeal, a special wheat middlings, whole corn meal, corn feed meal and granulated bone.

Conkey's THE ORIGINAL Buttermilk Growing Mash



This mash—second link in the Conkey Chain—is fed after the chicks are eight weeks old. It is balanced for rapid and even development of muscles, bone, vital organs and feathers. Like all Conkey mashes it is low in fibre, clean and always uniform.

Raising chicks to healthy and profitable maturity—this difficult problem is solved by the Growing Mash. Just as the Starting Feed is balanced to carry baby chicks safely through the critical first eight weeks, so is the Growing Mash a complete mash ration for developing birds to maturity.

The Growing Mash differs materially from the Starting Feed—meat scraps are added, bone is increased, and corn decreased—growing birds demand a heavier diet than delicate baby chicks.

The UNBROKEN CHAIN system of feeding, originated by Conkey—one mash for starting chicks, one for developing, one for laying—teaches an invaluable lesson in demonstrating the need of three different rations for most economical poultry feeding.

GUARANTEED ANALYSIS

Crude Protein, 18%;
Crude Fibre, 5%; Crude Fat, 4%; Nitrogen Free Extract, 50%; Carbohydrates, 55%.

Ingredients

Semi-Solid Buttermilk, wheat middlings, wheat bran, corn feed meal, ground barley, hulled oats, bone, meat scraps, bean meal and oil meal.

Conkey's THE ORIGINAL Buttermilk Laying Mash



The third link in the Conkey Chain is balanced for a full egg basket. Low in fibre, just right in protein for layers.

This mash was placed on the market in response to an insistent demand for an honestly prepared, egg-producing ration that could always be depended upon to be clean and uniform. This demand arose through loss of egg production which is likely to follow a change of "balance" in feed—too many egg mashes unfortunately are variable in quality and therefore unreliable and costly if not positively dangerous.

To produce eggs in abundance, the flock must have a balanced ration consisting of a dry mash and a good scratch grain mixture, also a regular supply of green stuff. Grains alone are not a sufficient ration for laying hens. Conkey's Buttermilk Laying Mash is made by Conkey's ORIGINAL process. Fresh, Semi-Solid buttermilk and other ingredients are blended so as to tempt the hen's appetite, thus increasing consumption of dry mash so essential to large egg production.

Insist on Conkey's mashes—you can always depend on them. Conkey feeds are always clean, wholesome and uniform.

GUARANTEED ANALYSIS

Crude Protein, 18%;
Crude Fibre, 6%; Crude Fat, 4%; Nitrogen Free Extract, 44%; Carbohydrates, 50%.

Ingredients

Semi-Solid Buttermilk, corn meal, corn feed meal, ground barley, wheat bran, wheat middlings, oil meal, bone, meat scraps and bean meal.

Conkey's CHICK GRAINS

GUARANTEED ANALYSIS

Conkey's Chick Grains

Crude Protein, 11.00%;
Crude Fat, 2.50%; Crude
Fibre, 2.00%.

Ingredients

Cracked wheat, corn
and pinhead oatmeal.

Conkey's Chick Grains are mixed especially to be fed in connection with Conkey's Buttermilk Starting Feed, but don't begin feeding these grains until the chicks are three weeks old. Then feed sparingly in litter to induce exercise. It's the Starting Feed with its clean, nutritious materials, and with the woody hulls removed that will keep your chicks lively and growing. Don't risk stunting them by overfeeding on hard grains—their delicate digestive systems require more easily digested food.



Conkey's Growing Grains

GUARANTEED ANALYSIS

Conkey's Growing Grains

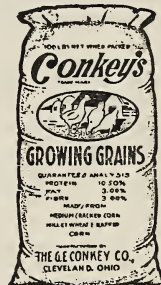
Crude Protein, 10.50%;
Crude Fat, 2.50%; Crude
Fibre, 2.00%.

Ingredients

Cracked corn, wheat,
millet, kaffir corn.

Conkey's Growing Grains are especially graded, cracked and sifted to accommodate growing chicks, from about eight weeks old until they begin to mature and can eat full-size grains. With these grains there is no waste—no large grains left on the ground. In addition, these grains are balanced a little differently to meet the needs of developing birds.

Don't overfeed your growing chicks on growing grains—it's the Growing Mash with its bone and muscle making material that gives you strong, healthy birds. During the summer keep Growing Mash in open hoppers constantly before the young birds. Give them only enough grains in the morning to induce exercise, and then just enough to fill up their crops at night. When they fail to eat the grains eagerly, or leave any in litter or on range, cut down on the grain. In the late fall you may increase the grain feeding somewhat, so as to finish off the birds with hard flesh, as this is the time of year when they would get hard grains in a natural state.



Conkey's Scratch Grains

GUARANTEED ANALYSIS

Conkey's Scratch Grains

Crude Protein, 9.75%;
Crude Fat, 1.75%; Crude
Fibre, 3.00%.

Ingredients

Wheat, cracked corn,
kaffir corn, barley,
buckwheat and sun-
flower seed.

Conkey's Scratch Grains are balanced to be fed in connection with Conkey's Buttermilk Laying Mash for maximum egg production. These grains are always plump and meaty—clean and bright as a new whistle. You won't find any dirt at the bottom of the bag, no unsound, worm-eaten or shriveled grain.

Conkey's Scratch Grains should be fed sparingly in the morning and liberally at night. The grains provide body maintenance and exercise for the hens. It's the dry mash kept in open hoppers before the hens all the time that brings the big egg production.

Scatter these grains in deep litter so the hens will have to scratch hard for every morsel, and don't overfeed on the whole grains. The limited gizzard capacity of a hen does not permit her to grind enough whole grains to make a satisfactory egg production record—that's why poultry experts have the grains ground up into a mash and excess fibre removed.



CONKEY HAS THE ONE PERFECT PIGEON FEED—WRITE FOR PRICES

BIRD SUPPLIES AND BOOKS



The best and most popular feed ever mixed. Mixed after the formula of a large German bird breeder. Contains no hemp. Never put up in boxes. Always fresh. Contains the finest re-cleaned canary seed, rape seed, lettuce seed, maw seed and millet seed. Used by fanciers all over the country. Insist on the yellow label and brown package. **Price: Per lb., 25c; postpaid, 30c.**

RAPE-CANARY—

A lower-priced mixture of canary seed and rape seed. **Price: Per lb., 20c; postpaid, 25c.**

CUTTLE BONE

Price: 5c each; postpaid, 6c.

BIRD MANNA

A mixture for the restoration of song; to be hung on the wires of the cage. **Price: Each, 15c; postpaid, 16c.**

BIRD TONIC

A liquid used in the drinking water to relieve colds, asthma, shedding and diarrhoea. **Price: Per pkg., 25c; postpaid, 29c.**

GRAVEL PAPER

Made up like sandpaper; to be placed in bottom of bird cage. **Price: Per pkg. of 12 sheets, 20c; postpaid, 25c.**

MOCKING BIRD FOOD

A prepared feed for mocking birds. **Price: 1 lb. jar, 35c; postpaid, 40c.**

DIP NETS

Used for taking fish out of aquarium while cleaning. **Price: Each, 3-inch, 30c; postpaid, 35c. 6-inch, 50c; postpaid, 55c.**

ASSORTED SHELLS

An assortment of fancy sea shells adds beauty to the aquarium. **Price: Pt., 20c, postpaid; qt., 35c, postpaid.**

PEARL CHIPS

Washed pearl chips. The glistening mother of pearl beautifies the bottom of the aquarium. **Price: Pt., 20c; postpaid, 25c. Qt., 35c; postpaid, 40c.**

EIGHTEEN KARAT FISH FOOD

The finest natural fish food obtainable. Endorsed by the leading fish breeders. Made up of the natural foods, both animal and vegetable that the fish receives in its natural surroundings. A complete food. **Price: Per box, 15c; per doz., \$1.50; postpaid.**

SPRATT'S COD LIVER OIL NESTLING FOOD

An excellent food for young canaries. The cod liver oil makes it an ideal food for canaries that are weak. **Price: Per pkg., 15c, postpaid.**

HARTZ MOUNTAIN CUBES

The family secret of several generations of bird breeders of the Hartz Mountain district in Germany. Not only an excellent restorer, but a good tonic for your bird. **Price: Per cube, 15c, postpaid.**

CAGE BRACKETS



- 224—Nicked 8-in.—15c each; postpaid.....17c
- 3710-B—Brass 10-in.—25c each; postpaid.....27c
- 3712-B—Brass 12-in.—35c each; postpaid.....37c
- 3710-D—Oxidized 10-in.—25c each; postpaid.....27c
- 3712-D—Oxidized 12-in.—35c each; postpaid.....37c
- Cage Springs—Single heavy 25c each; postpaid.....27c
- Cage Springs—Double heavy 25c each; postpaid.....27c
- Bird Nests—15c each; postpaid.....17c
- Bird Nesting—10c each; postpaid.....12c

NESTLING FOOD

A food for young birds. Ready for use. Young birds thrive on nestling food. **Price: 25c; postpaid, 30c.**

MOULTING PEPPER

A condiment to help the birds through the moult. **Price: 25c; postpaid, 30c.**

ORANGE COLOR FOOD

A food given during the moult in order to bring the feathers out and imparting to them a reddish hue. **Price: 25c; postpaid, 30c.**

BIRD EYE WATER

For sore eyes and inflammation of the eyelid. **Price: 25c; postpaid, 30c.**

BIRD SALVE

For sore and swollen feet. **Price: 25c, postpaid.**

BIRD GRAVEL

A fine grit for the bottom of the cage. **Price, 10c; postpaid, 20c.**

BIRD LICE POWDER

For lice on birds. Easy to use. **Price: 25c; postpaid, 27c.**

SHEPPARD'S SONG RESTORER

A highly nutritive food used during the moult or when the bird has a cold. **Price: Per pkg., 25c; postpaid, 27c.**

GOLD FISH SUPPLIES

FISH WAFERS

An imported rice wafer made of the best rice flour. **Price: Per box, 10c; postpaid, 12c. Per doz., \$1.00, postpaid.**

UNIVERSAL FISH FOOD

An animal food that can be fed alone or in conjunction with wafers. **Price: Per box, 20c; \$2.00 per doz.; postpaid.**

HARMI (Japanese Shrimp)

The food of the Japanese goldfish; equally good for domestic fish. **Price: Pkg., 15c; per lb., \$1.00; postpaid.**

ANTIDISCRASSICUM (Fish Remedy)

Recommended for Fungus, Tail-Rot, etc. Every fish fancier should keep a package of this wonderful remedy on hand at all times, as it may be too late to effect a cure if not used immediately. **Price: Per pkg., 50c, postpaid.**

WRITE FOR COMPLETE PRICE LIST ON FISH SUPPLIES

CHAMPION DOG FOODS

Are Clean Enough for Human Consumption!

The manufacture of Champion Dog Foods is as carefully superintended as though the foods were for human consumption. All materials are especially purchased. **They contain no refuse from food factories, waste products of any kind, formaldehyde, or any preservative.**

Champion Dog Biscuit is composed of clean, sweet meats—twenty-five per cent more than in any other dog food—and the choicest of cereals and ground grains: all perfectly blended in the proportions best suited to the needs of the dog. Being heavy with protein—the real essential basis of all dog foods—Champion Dog Biscuit is most nourishing. It is truly "The Balanced Ration" in every sense.

Champion Dog Biscuit is intended as a regular and steady diet. Being a **balanced ration**, it supplies food elements necessary to produce smooth, glossy coats, regular habits, and general good condition. Champion Dog Biscuit builds bone and sinew, imparts strength and stamina.

Champion Dog Biscuits—2¼-lb. pkg., 40c; 4¾-lb. pkg., 75c; Bulk, 10 lbs., \$1.15; 50 lbs., \$2.50.

Champion Puppy Biscuits—1½-lb. pkg., 25c; Bulk, 10-lb., \$1.20; 25 lbs., \$2.50; 50 lbs., \$2.50.

Champion Kibbled Dog Food—Bulk only, 25 lbs., \$2.50; 50 lbs., \$5.00.

Champion Puppy Meal—Coarse or fine, 1½-lb. pkg., 35c; 25 lbs., \$2.50; 50 lbs., \$5.00.

By mail, add postage.

Write for book, "Proper Care and Feeding of Dogs."

Kennels, write for prices on 500-lb. and 1000-lb. lots.



DOG MEDICINES
THE STANDARD SINCE 1879



The product of forty-five years' experience in the care of dogs, Sergeant's Remedies are guaranteed to give satisfaction.

Distemper Medicine	\$1.20
Mange Medicine.....	.65
Condition Pills.....	.60
Sure Shot Capsules (Worms in dogs or pups) ..	.60
Arsenic and Iron Pills (for the blood).....	.60
Dog Rub (a liniment).....	.60
Canker Wash (for ear trouble).....	.60
Cough Medicine.....	.60
Pepsin Tablets.....	.60

Well Mouth (for sore mouth and black tongue) ..	\$0.60
Eye Wash.....	.60
Tape Worm Medicine.....	.60
Rheumatic Pills.....	.60
Constipation Capsules.....	.30
Skip-flea Powder.....	.25
Skip-flea Soap.....	.25
Carbolic Tar Soap (for skin trouble).....	.25

We pay the postage on Sergeant's Remedies. No dog owner should be without Sergeant's book; on receipt of 3c to cover cost of mailing, we will send it free.

SPRATT'S DOG CAKES

A well-balanced biscuit containing all the ingredients necessary for the dog. An excellent food for summer and winter. Price: 32-oz. box, 30c; 80-oz. box, 80c. Bulk, 15c per lb.; 59 lbs., \$6.75; 100 lbs., \$13.00. By mail, add postage.



SPRATT'S PUPPY CAKES

A smaller cake than the dog cake. An ideal food for puppies 2 months old or over. Price: 30-oz. box, 40c; 68-oz. box, 80c. Bulk, 15c per lb.; 50 lbs., \$7.00; 100 lbs., \$13.50.

BENNETT'S DOG BISCUITS

Maltoid Milk Bone. Made with milk. Shaped like a bone. An ideal food for the entire year. Price: 31-oz. box, 40c; \$4.50 per dozen boxes; carton 2 doz. boxes, \$8.75. By mail, add postage.



BENNETT'S PUPPY BISCUITS

A smaller size biscuit for puppies. Price: 28-oz. box, 40c; \$4.50 per dozen boxes; carton 2 doz. boxes, \$8.75. By mail, add postage.

SPRATT'S DOG REMEDIES

Spratt's Alterative Cooling Tablets	60c
Spratt's Anti-Vomit Tablets	60c
Spratt's Constipation Tablets	60c
Spratt's Digestive Tablets	60c
Spratt's Diarrhoea Tablets	60c
Spratt's Distemper Tablets	70c
Spratt's Mange Remedy	65c

Spratt's Tonic and Condition Tablets	60c
Spratt's Dog Worm Capsules	60c
Spratt's Puppy Worm Capsules	60c

We pay the postage on Spratt's Remedies. Write for Spratt's Book on Dog Culture. Send 4c in stamps for cost of mailing.

HORTICULTURAL BOOKS

Agriculture, the Principles of—Prof. L. H. Bailey.....	\$2.25
Alfalfa—E. D. Coburn.....	.75
Apple Culture—Bailey.....	.75
Asparagus Culture—F. M. Hexamer.....	1.25
Broom Corn Culture—A. G. McCall.....	.75
Bulbs and Tuberous Rooted Plants—Allen.....	2.50
Cabbages, Cauliflower—C. L. Allen.....	.75
Celery Culture—T. Greiner.....	.75
Fruit Harvesting, Storing, Marketing—F. A. Waugh.....	2.00
Gardening for Pleasure—Peter Henderson.....	2.00
Gardening for Profit—Peter Henderson.....	2.00
Garden-Making—Prof. L. H. Bailey.....	2.00
Garden Guide—The Amateur Gardener.....	.75
Hedges, Windbreaks—C. & E. P. Powell.....	.75
Irrigation Farming—Lute Wilcox.....	2.00
Landscape Gardening—F. A. Waugh.....	1.50
Mushroom Culture—W. Robinson.....	1.00

Mushrooms: How to Grow Them—Wm. Falconer.....	\$1.50
Our Four-Acre Farm—	
Onion Culture, The New—Greiner.....	.75
Orcharding—Productive—Sears.....	2.50
Peach Culture, Revised—Fulton.....	1.25
Peanut Plant—B. W. Jones.....	.75
Pomology, Systematic—F. A. Waugh.....	1.50
Soiling Crops and the Silo—Thomas Shaw.....	1.50
Strawberry Cultivist—Andrew S. Fuller.....	.60
Sweet Potato Culture—Fitz.....	.75
Tobacco Culture.....	.50
Truck Farming in the South—Dr. A. Oemler.....	2.00

FLOWERS

Floriculture, Practical—Henderson.....	\$2.50
Window Flower Garden—Heinrich.....	.75

ST. LOUIS SEED COMPANY'S CALENDAR FOR SEED PLANTERS IN THE LATITUDE OF ST. LOUIS

JANUARY—Sow in Hot-Bed—Early Beet, Early Cabbage, Forcing Carrot, Cauliflower, Early Lettuce, Early Onions, Radish.

FEBRUARY—Sow in Hot-Bed—Early Beet, Broccoli, Early Cabbage, Forcing Carrot, Cauliflower, Celery, Cucumber, Egg Plant, Early Lettuce, Parsley, Pepper, Early Onions, Radish, Tomato.

MARCH—Sow in Hot-Bed—Early Beet, Early Cabbage, Forcing Carrot, Cauliflower, Celery, Cucumber, Egg Plant, Kohl Rabi, Lettuce, Melon, Parsley, Pepper, Onions, Radish, Tomato, Herbs. Sow in Open Ground—Beans, Beets, Cabbage, Cauliflower, Celery, Carrot, Cress, Leek, Lettuce, Onion, Parsnip, Peas, Potatoes, Radish, Spinach, Early Turnip, Onion Sets.

APRIL—Sow in Hot-Bed—Cucumber, Egg Plant, Melon, Pepper, Tomato. Sow in Open Ground—Asparagus, Beans, Beets, Cabbage, Carrots, Cauliflower, Celery, Sweet Corn, Cucumber, Cress, Endive, Kale, Kohl Rabi, Leek, Lettuce, Melons, Onions, Parsley, Parsnip, Peas, Potatoes, Radish, Rhubarb, Salsify, Spinach, Tomato, Turnip, Sage, Herbs, Onion Sets.

MAY—Sow in Open Ground—English Beans, Pole Beans, Bush Beans, Beets, Brussels Sprouts, Cabbage, Carrot, Celery, Sweet Corn, Cress, Cucumber, Endive, Kale, Kohl Rabi, Leek, Lettuce,

Melon, Okra, Onion, Parsley, Parsnip, Peas, Potatoes, Pumpkin, Radish, Salsify, Spinach, Squash, Tomato, Turnip, Herbs.

JUNE—Sow in Open Ground—Bush Beans, Lima Beans, Pole Beans, Beet, Carrot, Cabbage, Sweet Corn, Cress, Cucumber, Endive, Kale, Kohl Rabi, Lettuce, Melon, Okra, Peas, Potatoes, Pumpkin, Radish, Spinach, Squash, Turnip, Rutabaga.

JULY—Sow in Open Ground—Bush Beans, Beet, Carrot, Sweet Corn, Corn Salad, Cress, Cucumber, Endive, Gherkin, Kale, Kohl Rabi, Lettuce, Okra, Pumpkin, Radish, Spinach, Squash, Turnip, Rutabaga.

AUGUST—Sow in Open Ground—Bush Beans, Corn Salad, Cucumber, Endive, Lettuce, Early Peas, Radish, Spinach, Squash, Turnip. Plant—Winter Onions.

SEPTEMBER—Sow in Open Ground—Corn Salad, Cress, Kale, Lettuce, Mustard, Winter Radish, Spinach, Turnip. Plant—Winter Onions. Write for St. L. S. Co.'s Bulb Catalogue.

OCTOBER—Sow in Open Ground—Corn Salad, Cress, Kale, Lettuce, Mustard, Spinach. Plant—Hyacinth, Tulips, Narcissus and other Dutch Bulbs in open ground, pots or glasses.

NOVEMBER—Plant Hyacinth, Tulips, Narcissus and other Dutch Bulbs in open ground, pots or glasses.

SEED TABLES

	Weight per Bus.	Quantity to Sow 1 Acre
Alfalfa or Lucerne.....	60 lbs.	20 to 25 lbs.
Alsike or Swedish.....	60	3 to 10
Bokhara.....	60	8 to 10
Crimson or Scarlet.....	60	10 to 15
Mammoth or Sapling.....	60	8 to 10
Red.....	60	6 to 8
White.....	60	3 to 5
Cat-Tail (Pearl).....	50	8 to 10
Common.....	50	25 to 35
German or Golden.....	50	25 to 35
Siberian.....	50	6 to 8
Hungarian.....	48	25 to 35
Awnless Brome.....	14	28 to 42
Bermuda.....	40	2 to 3
Creeping Bent.....	14	15 to 20
English Perennial Rye.....	20	30 to 40
English Blue.....	14	20 to 30
Italian Rye.....	20	30 to 40
Johnson.....	25	25 to 30
Kentucky Blue for Pasture.....	14	20 to 25
Kentucky Blue for Lawns.....	14	40 to 50
Meadow Fescue.....	14	20 to 30
Orchard.....	14	12 to 15
Red Top—in chaff.....	14	15 to 20
Red Top—solid seed.....		6 to 10
Fescue.....	14	20 to 30
Tall Meadow Oat.....	12	20 to 30
Timothy.....	45	10 to 12
Mixture for Pastures.....	14	30 to 40
P. S. Co.'s "HAVALAWN" Grass Seed.....	14	40 to 50

	Weight per Bus.	Quantity to Sow 1 Acre
Barley.....	48 lbs.	1¼ to 1½ bus.
Beans—Navy.....	60	1½ to 2 bus.
Beans—Field.....	60	1½ to 2 bus.
Beans—Soja.....	60	20 to 30 lbs.
Broom Corn Seed.....	48	2 to 4 qts.
Buckwheat.....	52	1 to 1¼ bus.
Cane Seed—for sugar.....	50	4 to 8 lbs.
Cane Seed—for fodder.....	50	30 to 50 lbs.
Castor Beans.....	46	4 to 5 lbs.
Corn—Field.....	56	4 to 5 qts.
Corn Fodder, broadcast.....	56	2 bus.
Corn Fodder, drilled.....	56	1 bu.
Corn, Pop—shelled.....	60	2 to 4 qts.
Cow Peas.....	60	1½ to 2 bus.
Flax.....	56	1 to 1¼ bus.
Hemp.....	44	
Kaffir Corn—in drills.....	50	3 to 5 lbs.
Kaffir Corn—broadcast.....	50	½ to 1 bu.
Oats.....	32	1½ to 2 bus.
Peas—Field.....	60	1½ to 2 bus.
Peanuts.....	22	2 bus. in pods
Pumpkin, Common Field.....	30	2 to 3 qts.
Rape, Dwarf Essex.....	50	5 to 8 lbs.
Rye.....	56	1 to 1½ bus.
Sunflower.....	22	2 to 3 lbs.
Teosinte.....		4 to 6 lbs.
Wheat—Spring or Winter.....	60	1¼ to 1½ bus.
Vetches—Spring or Winter.....	50	1 to 1½ bus.

